

Resumes

**Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnerships (GRIP)
Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740
Assistance Listing Number: 81.254**

1. Contact Information

- **Name:** Elizabeth Cook
- **Title:** Director, Advanced Grid Systems + Grid Modernization Program
- **Company name:** Duquesne Light Company
- **Mailing address:** 411 Seventh Ave, Pittsburgh, PA 15219
- **Phone:** 412-760-2186
- **E-mail:** ecook@duqlight.com

2. Education

- University of Pittsburgh, Electrical Engineering, Ph.D.
- Kansas State University, Electrical Engineering, M.S.
- University of Pittsburgh, Electrical Engineering, B.S.

3. Training

N/A

4. Professional Experience

2023-Present: Director, Advanced Grid Systems + Grid Modernization Program, Duquesne Light Company

- Responsible for ensuring enterprise technology platform is integrated with the company's planning system, network architecture and physical assets. Manage and lead efforts within the transmission and distribution power grid's operations and planning groups. Work with internal and external partnerships to collaborate with local, state, and federal planning entities, as well as universities and industry, to drive advanced grid solutions and plan for the future power grid.

2020-2023: General Manager, Advanced Grid Solutions, Duquesne Light Company

- Manage and lead DLC's efforts in regard to the roadway to enable the grid modernization plan with the objective of making our grid more reliable, resilient, flexible and efficient, while focusing on affordability and improving customer experience. Understanding and driving new technologies and ideas for innovation.

2016-2020: Senior Manager, System Planning, Duquesne Light Company

- Manage and lead efforts of the transmission and distribution planning group; review and update planning models for regulatory agencies and Duquesne Light, perform steady-state and dynamic contingency analyses for seasonal assessments, review cut-in procedures, run day-ahead studies for outage coordination, review and conduct state estimator model updates, update and review procedures for all system planning models and data, verify ODMS models to other entities such as PJMs, lead and develop RSAWs, procedures, and processes for NERC/PJM compliance obligations, lead the development of scopes of work for future projects and construction estimates

2015-2016: Section Manager, Power System Stability, Mitsubishi Electric Power Products, Inc.

- Continually improve methods and procedures for processes, measurement, documenting and workflow techniques. Mentored junior engineers and new hires to

better improve the competency and efficiency of all team members. Supporting and educating internal stakeholders including management, Compliance, Operations and other departments on the Bulk Electric System concerns and complexities; Maintain and review NERC Compliance Planning Standards for project planning, Participated in regional planning activities with external groups such as PJM, CAISO, SPP, ERCOT and WECC Committees, Provide technical training to utility members of power system studies and phenomena

2004-2015: Senior Engineer, System Studies, Mitsubishi Electric Power Products, Inc.

- Worked with Utility Planners to provide creative and cost-effective transmission solutions for future resource requirements; Maintained and improved transmission steady-state and dynamics data, Reviewed and analyzed base cases and performed model validation studies; Performed power flow, transfer capability, voltage and dynamic stability studies. Developed several electro-magnetic models using both the positive and zero sequence network impedances for various system connections. The model construction included benchmarking and verification of steady state fault currents for transmission systems by comparing Electromagnetic Transient Program (EMTP). Documented study results in technical reports.

5. Appointments

- Association of Edison Illuminating Companies (AEIC) DER Subcommittee
- UNITE Future Grid Subject Matter Expert (SME) Track
- Podcast Host | All Things DER, Sponsored by AEIC
- University of Pittsburgh, Adjunct Professor
- Utilidata Advisory Board

1. Contact Information

Name: James H Milligan

Title: Treasurer

Company name: Duquesne Light Company

Mailing address: 411 Seventh Ave, Pittsburgh, PA 15219

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E-mail: jmilligan@duqlight.com

2. Education

- University of Pittsburgh, Finance, M.B.A.
- Indiana University of Pennsylvania, Marketing and Economics, B.S.

3. Training

- Certified Treasury Professional, Association of Financial Professionals

4. Professional Experience

2018-Present: Treasurer, Duquesne Light Company

2014-2018: Assistant Treasurer, Duquesne Light Company

2011-2014: Manager/Supervisor of Treasury Operations, Duquesne Light Company

2008-2011: Senior Treasury Analyst, Duquesne Light Company

- Current responsibilities include capital markets transactions, interest rate risk management, cash management, corporate insurance, bank and rating agency relationship management, and pension investment administration; Completed over \$8.7 billion of capital market transactions which resulted in an 11-year increase in the tenor of the debt portfolio, more favorable covenants and terms, a reduction of 2.36% in the portfolio's weighted average interest rate, and a more manageable debt maturity profile; Achieved and maintained investment grade ratings from Standard & Poor's and Moody's at both the operating and holding company levels; Developed investor relations program for fixed income investors that led to reduced credit spreads and greater access of capital markets, despite status as a non-SEC registered, private company; Oversaw successful implementation of new payroll system during temporary assignment in which I had responsibility for Payroll, Timekeeping and Accounts Payable; Created debt covenant and corporate disclosure policies and procedures that strengthened internal controls and ensured compliance with financial agreements; Led development of a Finance Department Business Continuity Plan and related drills to test the Continuity Plan to ensure adequate and effective recovery from disruptive events; Implemented process and designed system to for daily margining with purchased power counterparties to ensure most efficient use of cash and credit; Implemented a Liability Driven Investment mandate for pension plan assets, under which the plan's funded

status has improved to 101%, the hedge ratio is increased to 73% and funding volatility has been reduced significantly

2006 - 2008: Finance and Accounting Credit Analyst, Strategic Energy, LLC

- Provided management with in-depth financial analyses and credit exposure recommendations
- Executed trade receivable put agreements for high-risk customers, which allowed Strategic Energy to mitigate the credit risk and gain \$180,000 of additional annual profit
- Assisted in the implementation of a new credit and collections software system that improved department workflow and decreased days sales outstanding by more than five days

2001 – 2006: Treasury Department Advanced Business Analyst, FirstEnergy Corp.

- Identified and executed debt refundings that led to more than \$15 million in annual savings
- Captured \$19 million in cash gains through management of interest rate derivative portfolio
- Led \$40 million tax-exempt debt issuance to fund the expansion of a pollution control facility
- Implemented IRChannel, a database and contact management system, which led to more than \$50,000 in cost savings through the elimination of outside vendors and consultants

5. Appointments

- Duquesne Light Political Action Committee – Treasurer
- Ford City Planning Commission Member
- DRS Advisory Council

1. Contact Information

Name: Jessica Valentine

Title: Engineer III, Advanced Grid Solutions

Company name: Duquesne Light Company

Mailing address: 411 Seventh Ave, Pittsburgh, PA 15219

Phone: 562-900-6394

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2. Education

- University of California at Santa Barbara, Chemical Engineering, B.S.

3. Training

- NCEES Certified Engineer in Training (EIT), August 2017

4. Professional Experience

2021 – Present: Advanced Grid Solutions Engineer III, Duquesne Light Company (DLC)

- Project manager and technical lead for pilot projects focused on deployment of advanced grid technologies including monitoring and control systems, energy storage systems, and other distributed energy resources.
- Co-lead of DLC's funding opportunity strategy and management team.

2018 – 2021: Energy Engineer, KeyLogic Systems at the National Energy Technology Laboratory

- Managed the quality, budget, and schedule for a portfolio of energy storage technology assessment projects. Created process models and technoeconomic assessments for novel technologies including direct air CO2 capture, hydrogen generation, hydrogen to power concepts, and advanced process wastewater treatment systems.

2017 – 2018: Research Consultant, Mouzon Information Services

- Provided technical research services to expert witnesses and attorneys in a successful \$19M lawsuit. Contributed research findings in the areas of automotive safety, regulations, and autonomous sensors

2015 – 2017: R&D Laboratory Assistant, Greenyug Specialty Chemicals

- Supported the commercialization of a novel, sustainable chemical process through a variety of bench top experiments focused on catalysis and liquid-liquid extraction.

5. Appointments

N/A

1. Contact Information

Name: Alex Rosenblatt

Title: Advanced Grid Planning Engineer, Advanced Grid Solutions

Company name: Duquesne Light Company

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Phone: 484-347-6737

E-mail: arosenblatt@duqlight.com

2. Education

- Waynesburg University, Project Management, M.B.A
- Pennsylvania State University, Electrical Engineering, B.S.

3. Training

N/A

4. Professional Experience

2021 – Present: Advanced Grid Planning Engineer, Duquesne Light Company

- Initiated and managed 3 projects involving various Non-Wire Alternative (NWA) Solutions each totaling \$4M+. Architect for the DLC Distributed Energy Resources Management System (DERMS) project; Created, implemented, managed, and monitored multiple \$10M+ projects involving IT, Operations, and Corporate Strategy.; Technical lead for the DER communication & Load Management roadmaps to allow streamline implementation of DER and EVs on the electric grid in a realistic timeframe; Architect for the DLC Advanced Distribution Management System (ADMS) project; Assisted with the FERC 2222 changes and PJMs tariff language around DER aggregations.

2019-2021: Distribution Planning Program/Project Manager, Duquesne Light Company

- Managed 3 funding programs with roughly 30-40 smaller projects each for Distribution Planning, totaling about \$5.6 million yearly; Utilized Primavera P6 extensively for scheduling, budgeting, and forecasting the projects for the Distribution Planning Team; Established the Distribution Planning Project Manager & Cost Estimator positions to track Distribution and Interconnection Scopes of Work from inception to completion; Architect of the cost estimation repository and estimation template to provide high level estimates for Distribution Planning, Asset Management, and DER Interconnection scopes of work, which uses engineering and field validated costs/hours to give precise high-level estimates; Provided high-level cost estimates for All System Planning and DER Interconnection Projects; Created a master excel template to monitor all 100+ planning-initiated projects simultaneously.

2017-2019: Distributed Generation Interconnection Engineer, Duquesne Light Company

- Designed, created, and implemented DLC's processes, procedures, and study agreements for the Pennsylvania State Net Metering Interconnection process based upon the PA Public Utility Commission's Regulations; Oversaw the entire interconnection process from start to finish, including all engineering reviews and load

examinations on the distribution grid while adhering to PUC guidelines; Regularly attended PJM DERS meetings and provided DLC's corporate strategy as needed to help guide change; Created and updated the SharePoint net metering interconnection website which had over 170 steps in each of the workflows; Worked with engineering to provide timely system upgrades to interconnection customers who caused system disturbances; Ran System Studies with CYME for Large Generation Interconnections to determine if upgrades were necessary to allow safe and reliable interconnection to the DLC Distribution System.

2017-2017: Distribution Planning Engineer, Duquesne Light Company

- Ran System Studies with CYME in the Raccoon territory to determine where system upgrades were needed and how they would be completed; Oversaw the Beaver County area of Raccoon and provided system scopes, updates, planning guides and all other requirements to provide safe, reliable, affordable electric service; Wrote timely responses to Customer Service Requests, including applicable planning recommendations with acceptable in-service dates for both the customer and Duquesne Light Company.

2016-2016: Lead Systems Engineer/Project Manager, F2Si

- Managed the RC-12X/MC-12s Cockpit Procedural Trainer which included planning meetings with the lead engineers, correspondence with the prime contractor, and creating Engineering Change Proposals (ECP); Designed, implemented, and executed contractual changes via ECPs which allowed for a \$100k additional profit on the RC-12X/MC-12S project which was originally a Firm Fixed Price contract of \$750k; Created a Bill of Materials (BOM) utilizing excel to document all components in the \$34M UH-72A project saving the company \$50k by not requiring Enterprise Resource Planning (ERP) Software.

2015-2016: Electrical Engineer, Emerson Process Management

- Full involvement in the design, creation, and implementation of Generator Excitation Systems (GES) for all sizes of generators, some of which can exceed 900MW of output; Give full off site support to field service when needed in order to prevent generator damage; saving both Emerson and the power station millions of dollars in possible damages; Leading the integration & implementation of the Generator Auxiliary Controls into the GES project scope for all current and future jobs.

2012-2015: Project Controls Engineer, Pennsylvania Transformer Technology Inc.

- Managed the design, creation, and implementation of control schematics, wiring, and cabinet layouts for multi-million-dollar substation transformers; Made the controls designs for 10-350MVA substation and auto transformers for 23-345kV systems; Assisted the president in the redesign and implementation of a new LTC (Load Tap Changer) motor drive unit saving the company cabinet space and \$1000's on each unit sold; Creation of a more advanced, yet simpler method for the organization of components and devices used in the control cabinets saving time and resources while increasing productivity.

5. Appointments

N/A

1. Contact Information

Name: Michael Watts

Title: Senior Manager, Grid Modernization Technology

Company name: Duquesne Light Company

Mailing address: 411 Seventh Ave, Pittsburgh, PA 15219

Phone: 724-316-9158

E-mail: mwatts@duqlight.com

2. Education

- Kent State University, Accounting, Bachelor of Business

3. Training

N/A

4. Professional Experience

2023-Present: Sr Manager, Grid Modernization Technology, Duquesne Light Company

- Lead the Grid Modernization efforts of the utility on the technology side overseeing major system enhancements and implementations; Plan and govern the implementation of technology such as OMS, ODMS and plan for future scalable and sustainable support model for Advanced Grid Solutions team.

2020-2023: Manager, Customer Applications, Duquesne Light Company

- Act as a delivery manager/architect of a team of onshore analysts and offshore Managed Service Provider (MSP) for the company's Customer Experience systems (CIS, Digital) in a 24x7 environment while serving as the IT Relationship Manager to the internal Customer executive team; Develop and maintain strategic technology roadmaps to ensure the future success of scalable applications to enable internal and external customer success including migration to SaaS/TaaS/PaaS landscape; Pilot, Implemented and served as a liaison between the executive business leadership team and technology as a Senior Product Owner to effectively communicate and deliver quality solutions that enhance key business metrics/processes while reducing overhead cost; Functioned as the Technical Program Manager/IT Lead to facilitate a multi-million-dollar Oracle ERP implementation (Applications, Hardware and Middleware) throughout the SDLC which successfully went live in Q1 2021 within budget with a stable shortened hypercare period; Responsible for the success 100+ Integrations and Interfaces including Mobile and Web; Minimized long term IT expenditure through implementing process change and reducing costly customization

2016-2020: Systems Analyst II, Sr. Systems Analyst, Supervisor, Duquesne Light Company

- Provided superior functional/technical support on the Oracle Utility Suite ERP and all 60+ integrations utilizing Configuration, Custom Development, SOA and Azure. Architected the successful implementation of web/mobile to the Customer system; Served as the Business Relationship Manager to the Director of Metering and Operations effectively managing incident/problems, eliciting requirements, and

successfully delivering high impact business solutions through complex systematic processes in Scheduling and Field work.

2014-2016: Solutions Specialist, Alcoa Inc.

- Implemented and Supported solutions for Oracle EBS R12 in the Req to Pay Area for a global manufacturing company scaling across regions

2012-2014: Analyst, Supply Chain Technology, American Eagle Outfitters

5. Appointments

N/A

1. Contact Information

Name: Mithilesh (Mitch) Davda

Title: Manager, Smart Meter Operations Center

Company name: Duquesne Light Company

Mailing address: 411 Seventh Ave, Pittsburgh, PA 15219

Phone: 657-622-1161

E-mail: mdavada@duqlight.com

2. Education

- University of Southern Indiana, MBA
- Jawaharlal Nehru Technological University, Computer Science and Information Technology, Bachelor of Technology

3. Training

N/A

4. Professional Experience

2019 – Present: Manager, Smart Meter Operations Center, Duquesne Light Company

- Provide strategic and tactical leadership along with innovative ideas for executing a Smart Grid Strategy to augment the Advanced Metering System to create a grid of the future; Lead the business group during the RFI and RFP and select vendors for the OMS, ODMS and the ADMS projects; Manage multi-million dollar projects and ensure successful delivery on time and under budget; Partner with Itron to deploy a Smart Street Light solution which will serve as a foundation for the Smart City applications; Innovate ideas that assist in digital transformation and save resources to the company; Build relationships with other utilities and vendors to facilitate seamless exchange of data and information to collectively solve industry challenges; Liaison with business and IT C-level and management teams to plan 5/10-year roadmaps for future growth and expansion; Manage and direct the daily operations of the SMOC; Lead the outage and theft detection teams, and provide expertise on the requirements for the software to be built by a vendor to optimize the delivery of key outage related alerts and identify opportunities for revenue generation

2011 – 2019: Senior Technical Consultant/Interim Account & Implementation Manager, ITRON Inc.

- Generate revenue for Itron by supporting sales of next-generation communication networks and systems along with hardware, software, and professional services at Duquesne Light Co., professional services at SCE and Baltimore City Department of Public Works, and networking devices, operational software's at SDG&E; Provide vendor agnostic consulting to the utilities to assist with RFI, RFP and purchasing of software solutions for Digital Grid, OMS, ODMS, ADMS, EV, etc.; Define/Develop the scope and budget of the project and allot resources accordingly; Provide strategic and tactical leadership for executing an Advanced Metering System to augment the AMR system; Collaborate with the customer's top-management team to create a 5/10-year roadmap;

Listen to the executive concerns and provide solutions to the challenges; Stand up a Smart Meter Operations Center from scratch and hire/train the team on daily operations to build a stable mesh network that can deliver consistent read rates daily; Lead the IPv4 to IPv6 network/mesh migration; Provide technical expertise on the design, interfaces, solution, standards, reliability, and performance of all AMI components (OWCE, meters, Cell Relays. CGRs, Certicom, etc.)

5. Appointments

- Itron Inspire - Advisory Board Member
- DISTRIBUTECH International – Advisory Committee Member
- Board of Directors – Glen Montessori School, Pittsburgh, PA
- Itron Product Reliability Working Group Utility Lead

1. Contact Information

- **Name:** Michelle S. Antantis, PE
- **Title:** Senior Consulting Engineer, Grid Optimization & Strategy
- **Company name:** Duquesne Light Company
- **Mailing address:** 2841 New Beaver Ave, Pittsburgh, PA 15233
- **Phone:** 412-779-3387
- **E-mail:** mantantis@duqlight.com

2. Education

- Gannon University of Pittsburgh, Bachelor of Electrical Engineering

3. Training

- Registered Professional Engineer, Pennsylvania, 1996

4. Professional Experience

2014-Present: Senior Consulting Engineer, Grid Optimization & Strategy, Duquesne Light Company

- Develop transmission and distribution scopes of work to improve the reliability and resiliency of the electrical grid to address generation interconnections or deactivations, new customer load connections, and planning criteria violations. Develop cost estimates and initiate new projects. Work with Project Management and Engineering to ensure that projects are meeting all stakeholder requirements. Ensure accuracy of Facility Ratings and update FAC-008 rating methodologies. Lead the deployment of Dynamic Line Rating (DLR) sensors and the operationalization of DLR.

2007-2014: Principal Engineer, Engineering and Project Management, Duquesne Light Company

- Managed engineering for large infrastructure improvement projects including the upgrade of 69 kV facilities to 138 kV and 345 kV for both substations and transmission lines across the DLC system. Participated in public workshops and testified at PUC hearings. Specified and procured large power equipment including power transformers, circuit breakers, and disconnect switches. Developed project construction sequences and outage requirements.

2000-2007: Principal Engineer, Engineering, Duquesne Light Company

- Designed and estimated cost for new or modified substations for both company and customer projects. Provided construction support. Specified, procured, and inspected large power equipment and materials. Provided system administrator support for the asset maintenance management software.

1994-2000: Senior Engineer, Substations, Duquesne Light Company

- Provided job site technical assistance to the Electrical Equipment, Protection and Control, and Telecommunications technicians. Supervised field resources as needed. Ensured capital and maintenance work schedules were met. Directed the development

and application of the asset maintenance management system. Prepared instruction manuals and taught classes for software upgrades

1993-1994: Engineer 1, Substations Engineering, Duquesne Light Company

- Investigated, designed and estimated the cost for company and customer substation modifications. Performed technical evaluations for the purchase of new equipment. Scheduled, budgeted, and coordinated jobs as project engineer.

1989-1993: Engineer 1, Transmission Line Engineering, Duquesne Light Company

- Investigated, designed, and estimated the cost to install, rearrange or remove transmission lines, sub-transmission lines and associated facilities. Performed studies on transmission line facilities. Scheduled, budgeted, and coordinated jobs as project engineer.

5. Appointments

N/A

1. Contact Information

Name: William Thai

Title: Principal Consultant

Company name: Bridgewater Consulting Group, Inc. (as a subcontractor to Duquesne Light Company)

Mailing address: 18881 Von Karman Avenue, Suite 1450, Irvine, CA 92612

Phone: 949-943-4554

E-mail: will.thai@bridgewcgc.com

2. Education

- Keller Graduate School of Management, Network & Communications Management, MBA
- DeVry University, Computer Engineering Technology, B.S.

3. Training

- Certified Scrum Master, Scrum Alliance
- Project Management Professional, Project Management Institute
- Graduate Certificate: Wireless Communications, Keller Graduate School of Management

4. Professional Experience

2017-Present: Principal, WT Partners LLC (as a subcontractor to Bridgewater Consulting Group, Inc.)

- Consult, lead, and support multiple grid modernization and innovation projects for numerous U.S. electric & gas utilities and utility industry vendors (product vendors & professional services). Previous project includes but is not limited to a large Department of Energy-funded project.
- Some examples of previous projects include Advanced Metering Infrastructure/Smart Metering, Grid Modernization/Smart Grid, Emergency Preparedness/Enterprise Notification System, Robotic Process/Desktop Automation, Distribution System Operator, Distribution Energy Resource/Management Systems.
- Broad operational and consulting experience across utility Transmission & Distribution, Information Technology, and Customer Service organizations in field, engineering, and operational roles.

2017: Principal Consultant, Infosys

- Responsible for leading business and technical requirements workshops, developing functional requirements, identifying risks and issues, performing data assessments, and reviewing use cases with consulting, IT, vendor, and business stakeholders across four operating utilities
- Accountable for the detailed review of use cases and business requirements. Use cases include Network Connectivity, Asset Health, Transformer and Feeder Sizing, DER, Historical Outage, Storm Readiness, Outage Prediction, Vegetation Management, Volt-VAR Optimization)

- Manage issues and risks associated with parallel projects, including GIS, Convergence Common MDM, and Advanced Distribution Management System (ADMS)
- Lead project teams in the identification of data source systems and the as-is system architecture. Systems include: GIS, OMS, Enterprise Asset Management (EAM), Energy Management System (EMS), DMS, PI Historian, AMI, MDM, CIS

2015-2017: Principal, StrategIQ Associates, Inc. (as a subcontractor to Brillio)

- Responsible for the management of the Smart Grid Operations Center, delivery of Standard Operating Procedures, technical training, and business process development as part of a federally-funded Department of Energy project
- Responsible for maintaining, monitoring, integrating, and optimizing Smart Grid systems and applications: AMI, Distribution Transformer Monitoring (DTM), Demand Response (DR), MDM, Electric Vehicles (EV), DER, OMS, CS
- Led root cause analysis of power system anomalies, such as, overloaded transformers, voltage issues, tamper issues, power outages, and high consumption

2012-2015: Technical Specialist 4, SmartConnect Operations Center, Southern California Edison

- Responsible for delivering and optimizing operational processes for OTA Operations, Field Engineers, and Meter Technicians
- Monitored and controlled projects relating to the installation of Field Area Network devices
- Managed the RF Mitigation effort to reduce non-communicating devices by 40%

2007-2012: Senior Engineering Technician, Transmission & Substation, Exelon Corporation (ComEd)

- Responsible for approving revenue metering designs, evaluating and developing AMI systems and requirements, and commissioning substation protection, relays, protection, and SCADA systems
- Led the 2012 Distribution Automation Mid Circuit Recloser, Fermi Lab 345 KV Power Transformer Monitoring (PTM), and 12 KV distribution feeder projects
- Commissioned and maintained PTM equipment, SCADA, and various relay & protection schemes
- Provided 24x7 on-call services for emergent (transmission, distribution, substation) and storm-related (vegetation management) events

5. Appointments

- National Association of Asian American Professionals, Member
- Project Management Institute, Member
- Scrum Alliance, Member

1. Contact Information

Name: Karthik Rao

Title: Director, Customer Success

Company name: LineVision

Mailing address: 529 Main Street, Suite 307, Boston, MA 02129

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E-mail: krao@linevisioninc.com

2. Education

- Cornell University, Systems Engineering, M.S.
- Queen's University, Engineering Physics, B.S.

3. Training

N/A

4. Professional Experience

2021-2023: Director, Customer Success, LineVision

- Building a Customer Success team that works with utilities around the world to turn transmission line infrastructure into smart assets and operationalize dynamic line ratings. Accelerating the adoption of renewable power by reducing the bottleneck of transmission line capacity.

2020-2021: Strategic Advisor, Ecomedes

- Provide strategic guidance by leveraging expertise and credibility in the SaaS and sustainability industries.

2018-2020: Head of Global Customer Success, Enel X

- Led customer success and expansion sales, delivering sustainable energy solutions - including renewable power, battery storage, EV charging, and utility bill management software - to the Fortune 100 globally. Used a highly consultative approach to align with each customer's corporate sustainability program at the executive level, design energy technology solutions, and implement them in countries around the world.

2017-2018: Director, Customer Success, EnerNOC

- Led all customer-facing teams for a \$20M ARR SaaS business. The product used historical and real-time data to optimize energy purchasing and consumption in order to help companies reduce energy spend and lower emissions. Owned the full customer lifecycle - solution design, implementation, adoption, renewals, and expansions.

2015-2017: Senior Manager, Energy Intelligence and Labs, EnerNOC

- While managing an 8 person consulting team, recognized a gap between customer needs and our product capabilities; with zero initial budget, bootstrapped a rapid prototyping Labs team to productize the work of our subject matter experts.

2014-2015: Manager, Professional Services, EnerNOC

- Founded team after recognizing need for new Professional Services offerings to accelerate implementation and adoption of our software.

2011-2014: Program Manager, EnerNOC

- Led cross-functional teams and managed all aspects of hardware and software implementation, product development, and customer success for nascent software business.

5. Appointments

N/A

1. Contact Information

Name: Hilary Pearson

Title: Vice President, Policy & External Affairs

Company name: LineVision

Mailing address: 529 Main Street, Suite 307, Boston, MA 02129

Phone: 619-244-8189

E-mail: hpearson@linevisioninc.com

2. Education

- California Polytechnic State University, Political Science, International Relations Focus, B.A.

3. Training

N/A

4. Professional Experience

2023: Vice President, Policy & External Affairs, LineVision

- Supports LineVision's efforts in understanding and managing to regulatory affairs pertaining to grid-enhancing technologies.

2021-2023: Senior Director, Governmental & Regulatory Affairs, LineVision

- Supports LineVision's efforts in understanding and managing to regulatory affairs pertaining to grid-enhancing technologies.

2018-2021: Key Manager, Energy & Environmental Policy, Exelon

- Coordinate national stakeholder engagement and develop and promote baseline policy positioning in response to state and federal legislative proposals impacting solar, affordability, distributed energy resources (DER), grid integration, and telecom issues across all EU companies. Provide technical, regulatory, stakeholder, and legislative insight to Executive Leadership.

2017-2018: Key Manager, Energy & Environmental Policy, ComEd

- Serve on the Technology Assessments team within the Utility of the Future organization, which is tasked with exploring and mapping out a framework for delivering future-oriented grid and customer investments. Led analysis on policy issues among emerging technologies including Virtual Power Plants, DER aggregation models, smart inverters and associated standards.

2013-2017: Director of Government Affairs, Sungevity

- Led all federal, state and local legislative and regulatory affairs. Charged with protecting existing markets while growing and launching into new markets / products to support growth. Played key role in making Sungevity a top national solar company by market share. Drafted policy-related communication frameworks used to shape advocacy efforts across employees, customers, and affinity marketing partners.

2013: Policy & Marketing Manager, Sungevity

- Responsible for developing and enhancing partner relationships through Sungevity's affinity marketing program, Sungevity.org. Led to over \$1 million in revenue raised for non-profit partners. Developed messaging and campaigns to create favorable marketplace policies among .org partners.

5. Appointments

2022-2023: Chair, WATT Coalition

- Working for Advanced Transmission Technologies (WATT) is a coalition of companies interested in bringing technology solutions to the US electric transmission system to improve its reliability and efficiency for American citizens and businesses. Read about the technologies and WATT's mission at www.watt-transmission.org.

2022: Board Member, WATT Coalition

- Working for Advanced Transmission Technologies (WATT) is a coalition of companies interested in bringing technology solutions to the US electric transmission system to improve its reliability and efficiency for American citizens and businesses. Read about the technologies and WATT's mission at www.watt-transmission.org.

1. Contact Information

Name: Alex Houghtaling

Title: Vice President, Sales

Company name: LineVision

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E-mail: ahoughtaling@linevisioninc.com

2. Education

- Harvard University, M.S.
- Villanova University, M.S.
- SUNY Geneseo, B.S.

3. Training

N/A

4. Professional Experience

2020-2023: Sales, LineVision

- LineVision monitors, optimizes, and protects the world's critical energy infrastructure. Utilities around the world use our technology to increase capacity on the grid for the growth of renewable energy, better manage the inherited challenges of aging infrastructure, and address climate risk.

2016-2020: Director of Sales, Wholesale and Government, Enel X (formerly EnerNOC)

- Led the national go-to-market teams for the Wholesale and Government businesses at Enel X.

2015-2016: Leader of Training and Development – Global Enterprise Sales, EnerNOC

- Built the first end-to-end global sales training program at EnerNOC. Responsible for the learning and organizational development of EnerNOC's Global Enterprise Sales team. Led the development of the Enterprise Sales team across EnerNOC's suite of products and services: Software, Demand Management, Procurement, Services.

2015: Regional Sales Manager, EnerNOC

- Built the Mid-Market Energy Intelligence Software (EIS) sales team, selling to commercial and industrial customers across the US and Canada. Maintained Engagement Scores from my team that were among the very highest at the company.

2013-2015: Senior Sales Manager, EnerNOC

- Established and grew the inside sales team's focus on the Energy Efficiency product suite, which grew into EnerNOC's Energy Intelligence Software solution. Hired over 100 professionals, a high percentage of whom realized upward paths within the company and continued to thrive in sales and sales leadership roles at EnerNOC (now Enel X). Engagement Scores from my team were among the very highest at the company.

5. Appointments

2020-2023: Board Member, currENT Europe

- currENT Europe is shaping the future of Europe's energy industry. Our members deliver innovative technologies that optimize the use of the existing electricity grid.

1. Contact Information

Name: Elizabeth Henion

Title: Customer Success Manager

Company name: LineVision

Mailing address: 529 Main Street, Suite 307, Boston, MA 02129

Phone: 540-793-1956

E-mail: ehenion@linevisioninc.com

2. Education

- University of Virginia, Chemical Engineering, B.S.

3. Training

- FSA Credential Level II Candidate, Sustainability Accounting Standards Board

4. Professional Experience

2022-2023: Customer Success Manager, LineVision

- Partners directly with electric utilities to deliver outcomes and measure success.

2022: Manager, Solutions Engineering, Measurabl

- Supported technical scoping and planning for strategic customer expansion deals, notably during a particularly impactful time for the company (post Hatch Data acquisition).

2020-2022: Senior Manager of Commercial Operations, Hatch Data

- Managed people, process, and technology to support all commercial activities, including financial reporting, sales cycle activities, CRM development and maintenance, email automation and customer support.

2018-2020: Senior Program Manager, MicroStrategy

- Developed strategy, outcomes and reporting for 20+ team of customer success managers. Responsible for identifying and cultivating key programs to improve the CS program and customer experience.

2017-2018: Manager, Solutions Engineering, EnerNOC

- Technical scoping and planning for enterprise accounts.

2016-2017: Practice Lead, Education Services, EnerNOC

- Promoted customer success through creation and delivery of education services. Established strategy around user-based training content.

2015-2016: Solutions Engineer, EnerNOC

- Technical sales support for enterprise accounts. Closed first API-integration deal for the company with a large Fortune 500 manufacturer.

2014-2015: Sales Engineer, Energy Points

- Lead sales engineer responsible for preparing all product demos, developing technical documentation, understanding the customer needs and how the proposed solutions can address those needs. Technical representative for the client in both pre- and post-sales discussions.

2013-2014: Data Analyst, Energy Points

- Completed all aspects of data analysis on customer data, including data integrity, identification of outliers, input into our system, and interpretation and presentation of results. Worked directly with customers to identify underperformers in their operation; using customer feedback, helped determine the best energy efficiency solutions for their sites.

5. Appointments

N/A

1. Contact Information

Name: Kristine Engel

Title: Senior Applications Engineer

Company name: LineVision

Mailing address: 529 Main Street, Suite 307, Boston, MA 02129

Phone: 262-853-6171

E-mail: kengel@linevisioninc.com

2. Education

- University of Wisconsin, Sustainable Systems Engineering, M.E.
- University of Wisconsin, Mechanical Engineering, B.S.

3. Training

- Professional Engineer, Wisconsin

4. Professional Experience

2022-2023: Senior Applications Engineer, LineVision

- Develop project plans for situational awareness, asset health, and dynamic line ratings. Match customers to solutions. Build confidence with technical and non-technical stakeholders. Conduct technical sessions to explore line monitoring technology and results. Operationalize dynamic line ratings alongside utility partners, RTOs, and regulatory agencies. Coordinate with internal technical teams to ensure project success and improve products. Guide data science investigations based on knowledge of transmission line behavior.

2020-2022: Applications Engineer, LineVision

- Develop project plans for situational awareness, asset health, and dynamic line ratings. Match customers to solutions. Build confidence with technical and non-technical stakeholders. Conduct technical sessions to explore line monitoring technology and results. Operationalize dynamic line ratings alongside utility partners, RTOs, and regulatory agencies. Coordinate with internal technical teams to ensure project success and improve products. Guide data science investigations based on knowledge of transmission line behavior.

2016-2020: Line Design Engineer, Power System Engineering

- Route and design transmission and distribution lines based on standards and loading analysis. Utilize PLS-CADD to assess power line safety, reliability, and code compliance. Prepare and submit permit applications for water, road, and railroad crossings. Develop construction specifications and documentation. Provide technical support.

2014-2015: Drilling and Measurements Field Engineer, Schlumberger

- Supervised oil drilling, measurement, and logging operations in remote locations. Interfaced between clients, technical field staff, and internal project owners. Evaluated performance issues to prevent or mitigate time and financial loss.

2012-2013: Sanitary Product Engineering Co-op, Kohler Company

- Utilized the engineering design process for current and new product improvements. Built a life cycle inventory to identify improvements in manufacturing and product design.

5. Appointments

2021-2023: Vice Chair, IEEE Grid Enhancing Technology Working Group

- Leads a working group to understand and document best practices for a changing grid. Share technical expertise on transmission line rating methodologies and switching impacts.

2021-2023: Committee Member, CIGRE US

- Attend technical sessions and share experience with peers in the electric utility industry.

1. Contact Information

Name: Jess Melanson

Title: President & Chief Operating Officer

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 973-202-5042

E-mail: jmelanson@utilidata.com

2. Education

- Princeton University, Masters in Public Affairs (MPA)
- Cornell University, Government, B.A.

3. Training

N/A

4. Professional Experience

Sep 2018 – Present: President & Chief Operating Officer, Utilidata, Inc.

- Oversee delivery, sales and marketing, policy and regulatory, partnerships and the development and execution of Utilidata's growth strategy.

Nov 2015 - Aug 2018: Vice President of Product and Solutions Marketing, Tendril

- Drove the development of products and solutions that leverage Tendril's software platform to deliver results for utilities, such as improving energy efficiency and demand management results, increasing customer satisfaction, reducing operating costs and developing and executing new growth opportunities.
- Primary responsibility for Tendril's regulatory and public affairs functions.

2012-2015: Director of Energy Services, PSEG

- Managed and had P&L responsibility for PSEG's energy efficiency and demand response business, with investments exceeding \$400M. Responsible for all operations, staffing, budgeting and investment planning.
- Led PSEG's efforts to grow its green businesses, including areas such as electric vehicles, storage, solar, microgrids, combined heat and power, and energy management.

5. Appointments

- Guest Lecturer on Climate Policy, Princeton University School of Public and International Affairs, 2020

1. Contact Information

Name: Marissa Hummon

Title: Chief Technology Officer

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 720-829-8312

E-mail: mhummon@utilidata.com

2. Education

- Harvard University, Applied Physics, Ph.D.
- Colorado College, Physics, B.A.

3. Training

N/A

4. Professional Experience

September 2018 – Present: Chief Technology Officer, Utilidata, Inc.

- Responsible for Utilidata's product development, deployment, and engineering teams.
- Leveraging data analysis tools like signal processing, virtual power flow modeling, and machine learning, Utilidata's virtual and meter-based solutions enable a reliable, resilient grid infrastructure that fully integrates renewable resources, responds to customer needs, and is poised for rapid evolution.

August 2017 – August 2018: Director of Product, Tendril

- Directed a team of product managers to develop cost-effective software, consistent with long-term vision of the product line and short-term customer deliverables.
- Developed go-to-market strategy and trained sales staff to promote the product.
- Developed the pricing structure, authored proposals, successfully defended bids (100% success rate), and negotiated contracts ranging from \$1M to \$20M.
- Led partnership negotiations and contracting; successfully negotiated a first-ever contract with Google for product co-development.

November 2016 - July 2017: Demand Management Solution Lead, Tendril

- Conducted market analysis and go-to-market strategy.

February 2015 - November 2016: Senior Energy Scientist and Product Manager, Tendril

- Developed a new product line, residential energy management software. Filed patent.
- Regularly promoted the product and vision at conferences, accepted awards on behalf of the company, presented to C-level customers and partners; motivated and led the internal development and implementation teams by communicating the product vision and development plan.

January 2010 – February 2015: Scientist and Principal Investigator, Power Systems and Markets, National Renewable Energy Laboratory

- Production cost modeling of high-penetration renewable generation.

- Development of statistical algorithms for downscaling hourly satellite solar irradiance data to 1-minute and 4-second time step solar data, maintaining the site-to-site correlation of solar irradiance ramps across all timescales (seconds to hours).
- Representation of concentrating solar power with thermal energy storage and demand response with load shifting and co-optimization for ancillary services in production cost models.
- Development of time domain parallelization of unit commitment and economic dispatch models for application to high performance computing environments.

5. Appointments

- LF Energy Foundation, Governing Board Member (voluntary)
- Grid Forward, Vice Chair of Board (voluntary)

1. Contact Information

Name: Yingchen"YC" Zhang

Title: Vice President, Product Solutions

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 973-202-5042

E-mail: yzhang@utilidata.com

2. Education

- Virginia Tech, Electrical Engineering, Ph.D.
- Tianjin University, Electrical Engineering, B.S.

3. Training

N/A

4. Professional Experience

Feb 2022 – Present: Vice President of Product Solutions, Utilidata, Inc.

- Develop and expand the product offerings in edge intelligence and grow the company's revenue through a combination of product development, business development and engagement in regulatory affairs.

Apr 2012 - Feb 2022: Senior Group Manager and Chief Engineer, National Renewable Energy Laboratory

- Management: Building up a new research group for power systems predictive analytics and automation for large-scale renewable integration with responsibility for 25 full-time employees and \$10+M annual budget.
- Technical Leadership: Developing strategic technology roadmaps on predictive analytics for sustainable energy systems and 100% renewable energy systems operation/control to create a continued project pipeline. Leading and coordinating research initiatives (such as Grid Modernization Lab Consortia) to advance the nation's global leadership in smart grid technology.
- R&D: Developing Artificial Intelligence's applications on renewable integration, advanced energy management systems at all scales, hardware/firmware/software for power system monitoring and control.

Dec 2010 - Feb 2012: Network Application Engineer, California ISO

- Developing, implementing, and documenting automated computer applications, and other advanced analysis methods, to improve the functionality of the Network Applications for EMS.
- Developing California ISO's CIM model and SCADA systems integration.
- Developing and promoting the use of the State Estimator and Network Applications (Dispatcher Load Flow, Contingency Analysis, Voltage Security Assessment Tool, Dynamic Security Assessment Tool, and Dispatcher Training Simulator) and providing user training.

- Participating in the ISO New Resource Interconnection (NRI) process, developing, and updating ISO's Full Network Model (FNM).

5. Appointments

- IEEE Power and Energy Society, Chair of Renewable Systems Integration Coordination Committee.
- University of Denver, Ritchie School of Engineering, Industry Advisory Board Member.
- University of Colorado Boulder, Lecturer, Power system Dynamics with Renewable Energy.

1. Contact Information

Name: Matthew Langlois

Title: Vice President, Customer Success

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 401-528-9068

E-mail: mlanglois@utilidata.com

2. Education

- Northeastern University, Master of Professional Studies Informatics (MPS)
- Lynn University, Communications, B.A.

3. Training

N/A

4. Professional Experience

Oct 2016 – Present: Vice President of Customer Success, Utilidata, Inc.

- Develop and implement Utilidata customer success strategies focussing on delivery and optimizing the customer journey.
- Oversee and manage customer success activities including professional services, customer support, customer management, training and deployment.

Jul 2007 - Oct 2016: Director of Services, IneoQuest Technologies

- Managed the successful completion of pre & post sales activities at significant/key customers which included the installation and deployment of system solutions into customer networks globally.
- Functional responsibility for Professional Services, Field Service Engineering, Training, Customer Service
- Developed programs for internal and external customers to allow Technical Account Managers and Sales Engineers to better deliver on projects and sales demonstrations boosting customer usage and retention.
- Addressed customer product and service performance issues and escalations to resolution.

Dec 2006 - Jul 2007: Security Analyst - Intrusion Detection Systems (IDS), VeriSign

- Educated and assisted clients with taking proactive measures to protect corporate data assets.
- Provided clients with incident handling and forensic analysis with reference to captured packet data which could potentially threaten network integrity and data assets.
- Performed basic change management, change requests, security and health event monitoring and troubleshooting.

5. Appointments

N/A

1. Contact Information

Name: Richard Marcaccio

Title: Vice President, Technical Operations

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 401-749-3240

E-mail: rmarcaccio@utilidata.com

2. Education

- Rensselaer Polytechnic Institute, Bachelor of Science, Electrical Engineering

3. Training

N/A

4. Professional Experience

2018 – Present: Vice President of Technical Operations, Utilidata, Inc.

- Lead the hardware team in producing innovative, productive, reliable, and quality products that customers are eager to utilize
- Work closely with Sales, marketing, and customers to ensure current and future design decisions match both short and long-term goals for Utilidata's products
- Work closely with the Service & Support team with a technical expertise that allows for a seamless customer experience
- Ensure product quality by developing and maintaining rigorous test procedures that utilize state of the art testing tools.

2013-2018: Quality Assurance Manager, Utilidata, Inc.

- Lead the QA Team in the Development of Test Plans and automation for testing Utilidata's AdaptiVolt™ product and managed development projects through their entire life cycle.
- Designed a Test Lab environment to simulate customer environments
- Developed and executed Test Plans for Utilidata's Version 2 platform
- Developed a Nightly Build and Test (NBT) that runs a set of regression tests against each new build presented to QA
- Developed and documented quality control procedures to be followed for customer deployments
- Led multiple cross-functional scrum teams in the development of new features

2007 - 2013: SQA Manager, Arris, Motorola Mobility(Google), Motorola

- Lead a diverse group of SQA Engineers in multiple locations testing Motorola BSR 64000 Cable Modem Termination Systems
- Developed test strategy for major software and hardware releases.
- Developed DVT (Design and Verification Test) Plans.
- Executed and subsequently automated feasible test cases.
- Automated 80% of regression test cases which reduced test cycle time > 50%.

- Developed automated Nightly Build Automation Test Suite to verify regression features with each day's worth of software code changes.
- Integrated with cross-functional team comprised of Product Marketing, Systems Engineering, Software Engineering, Hardware Engineering, and Customer Support.
- Developed enhanced System Performance Testing that maps worst case scenarios such as primetime data usage.

5. Appointments

N/A

1. Contact Information

Name: Angela Kassahun

Title: Public Policy and Regulatory Lead

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 518-577-1645

E-mail: akassahun@utilidata.com

2. Education

- University of Pennsylvania, Master of Public Administration (MPA)
- Temple University, History & Economics, Bachelor of Arts (B.A.)

3. Training

N/A

4. Professional Experience

April 2022 – Present: Public Policy and Regulatory Lead, Utilidata, Inc.

- Lead state policy and regulatory engagement in eastern United States
- Support utility customers in understanding policy and regulatory parameters

October 2021 - March 2022: Executive Policy Manager (Policy Advisor), Office of the Executive Director, Pennsylvania Public Utility Commission

- Assisted the Executive Director in creating and managing short and long-term agency goals
- Worked independently on various internal and external-driven projects, provide bi-weekly status reports to executive staff and adjust project timelines as needed
- Advised and consulted with bureau directors in the development and implementation of departmental goals, internal procedures and policies.

September 2016 - October 2021: Executive Policy Manager (Policy Advisor), Office of Vice Chairman David W. Sweet, Pennsylvania Public Utility Commission

- Drafted policy memos, briefing materials, legislative testimony, as well as motions, statements and press-related talking points
- Developed and managed strategic relationships with industry stakeholders, external partners and trade committees/associations
- Tracked regulatory dockets on a broad range of energy-related issues in order to keep the Vice Chairman apprised of comments filed by participating parties

January 2009 - August 2014: Co-Executive Director, The Energy Cooperative

- Created and oversaw strategic plan, set outcomes-based objectives for energy product line managers and marketing staff; led the team in creating and establishing systems to track progress toward outcomes

- Increased revenues from \$2M-\$6M in two years by implementing innovative growth strategies
- Forged partnerships with local affinity groups; represented organization at energy-related conferences and networking events
- Recruited, coached and retained ten high-performance employees, ten board members, one consultant and three independent contractors

5. Appointments

N/A

1. Contact Information

Name: Taylor Spalt

Title: Algorithms Architect

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: (401) 339-3339

E-mail: tspalt@utilidata.com

2. Education

- Virginia Tech, Doctor of Philosophy - Mechanical Engineering
- Virginia Tech, Master of Science - Mechanical Engineering
- University of Rhode Island, Bachelor of Science - Mechanical Engineering

3. Training

N/A

4. Professional Experience

January 2023 – Present: Algorithms Architect, Utilidata, Inc.

September 2022 - January 2023: Product Strategist, Utilidata, Inc.

July 2020 - September 2022: Algorithms Lead, Utilidata, Inc.

May 2017 - July 2020: Data Scientist, Utilidata, Inc.

- Developed an IoT machine learning approach to Volt/VAR Optimization in the presence of Distributed Energy Resources for electric distribution grids which utilize grid-edge sensors.
- Created a physics-constrained, machine learning algorithm for cyber-physical security anomalies on the electric grid.

December 2015 - March 2017 - Software Engineer, Lockheed Martin

- Team leader performing internal R&D consulting on algorithm and software development projects.
- Led spatial sound mapping via semi-supervised, multi-arm bandit matrix decomposition using various models for sub-matrix approximations: physics-based, source coherence, max eigenvalue/vector, and orthogonally-minimized.
- Developed acoustic predictions via physics-based models for a large underwater autonomous vehicle.
- Created a Lagrange extrapolation algorithm for real-time data prediction aboard ocean vehicles.

January 2009 - October 2015 - Research Aerospace Engineer, NASA

- Research focused on improving microphone array spatial sound mapping using signal processing techniques.

- Developed a novel spatial sound mapping algorithm leveraging constrained, orthogonal minimization of complex vectors.
- Received the NASA Group Achievement Award for a Hybrid Wing Body Acoustic Test in NASA Langley's 14- by 22-Foot Subsonic Tunnel, a \$35M investment under the Environmentally Responsible Aviation project.

5. Appointments

N/A

1. Contact Information

Name: Eder Borgas

Title: Electrical Engineer

Company name: Utilidata, Inc.

Mailing address: 225 Dyer St., Providence, RI 02903

Phone: 401-500-3507

E-mail: eborgas@utilidata.com

2. Education

- University of Rhode Island, Bachelor of Science - Electrical Engineering

3. Training

N/A

4. Professional Experience

January 2023 – Present: Electrical Engineer, Utilidata, Inc.

- Responsible for all aspects of product deployment, lifecycle, and implementation.

July 2021 - December 2022: Junior Electrical Engineer, Utilidata, Inc.

- Support Customer Success department in implementing software. Under the leadership of Senior personnel provided technical guidance to customers.

October 2017 - July 2021 - Systems Engineer, R.E. Erickson Company, Inc.

- Full Control Systems design and integration for the Water and Wastewater industry. Responsibilities include control panel design, network design, PLC programming, SCADA programming, and Project Management throughout the project lifecycle.

September 2016 - May 2017 - Electrical Engineering Intern, National Grid

- Designed a new implementation of a Direct Transfer Trip for Distributed Generation. The Project included design work for the Protection and Telecommunication departments. Implemented Exalt microwave system with SEL protection terminal for substation communications.

5. Appointments

N/A