

Stephen Walker-Weinshenker

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 sww1235

Experience

- 2019–Present **Distribution Automation/Communications Engineer**, *Xcel Energy Inc*, Denver, CO
- Assisted with Xcel's grid modernization efforts, including Advanced Metering, Field Area Network modernization with WiSUN and cellular modems.
 - Supported Xcel's new Advanced Distribution Monitoring System deployment by establishing and troubleshooting communications to field equipment.
 - Developed islanding logic for new community scale microgrid implementations.
 - Engineered communication solution for Direct Transfer Trip implementation using high speed radios and am leading standardization efforts for these projects.
 - Co-developed and architected a device management database to allow multiple teams to efficiently share and work with device data.
 - Assisted with developing Xcel's Operational Technology security policies.
- 2017–2019 **Area Engineering Intern**, *Xcel Energy Inc*, Denver, CO
- Improved field communications infrastructure for SCADA systems, including radios and IP networks.
 - Implemented new Field Area Network using WiMAX and WiSUN wireless technology.
 - Performed field wireless propagation surveys to confirm chosen field locations would perform to standard.
- 2014–2019 **Lab Technician**, *Engineering Network Services*, Fort Collins, CO
- Supported computer labs for the College of Engineering at Colorado State University:
- Maintained and installed Audio/Visual and computer hardware in computer labs. Supported over 10 lab spaces and 240+ workstations.
 - Worked as part of a team managing computer operating system images and software deployments in the engineering computer labs for 10 different engineering departments.
 - Supported over 400 lab users including students and professors.
 - Designed a low-cost projector remote control to eliminate IR interference issues and battery replacements for lab spaces with multiple projectors.

Certifications/Licenses

- May 2019 Certified as Engineering Intern (EI) in Colorado;
Passed Fundamentals of Engineering exam.
- April 2015 Amateur Radio License — call sign KE0DZE.

Professional Memberships

- 2015–Present Institute of Electrical and Electronics Engineers (IEEE).

Computer Skills

Operating Systems	Proficient in day-to-day usage of Windows, Linux, FreeBSD/OpenBSD and MacOS as well as systems administration of all previously mentioned operating systems.
Programming/Scripting	Intermediate knowledge of Visual Basic for Applications, Python, Golang and Bash.
eCAD	Proficient in Cadsoft Eagle and KiCAD.
CAD	Proficient in Nemetschek Vectorworks, Autodesk Revit, and Dassault Systèmes SOLIDWORKS.

Professional Skills

Distribution Automation	Understand SCADA protocols including DNP3 and Modbus. Worked with multiple vendor's RTUs and RTACs, including SEL and Eaton/Cooper. Proficient understanding of logic development for these platforms.
Troubleshooting	Skilled in troubleshooting electrical and communications equipment.
Documentation	Skilled at writing technical documentation for both technical and non-technical audiences.
Systems Security	Knowledgeable about all aspects of security, including physical security and network security. Was President of the Security Club at CSU for four years, and have been participating in Xcel Energy's Operational Technology security discussions.
Systems Integration	Experienced with programming and physical integration of automation controllers and automated devices.
Electronics Design and Robotics	Designed and built a remote controlled vehicle, designed a small belt-mounted computer, as well as multiple other small electronics projects.

Education

May 2019 **Bachelor of Science in Electrical Engineering**
Colorado State University, Fort Collins CO