



Daniel Taylor

Electrical Engineer

PROFILE

I am a positive results-driven professional with 8 years of experience in the industry. I look forward to providing my expertise in Electrical Engineering and Leadership to your company.

WORK EXPERIENCE

Senior Systems Test Engineer

Oct 2023 – Present

Itron, Liberty Lake, WA

Electric Meter Testing: I lead a team of 4 engineers that test single and multiphase electric meters used by Power Utility Companies around the world.

- Wrote detailed test plans to be executed by the testers
- Created specific test cases based on product features and specifications
- Taught new hires the fundamentals of AC electricity as applied to our meters including 3 phase concepts
- Gave presentations to directors with the final results of each program

Project Management and Design: Part of my time is allocated for leading design projects that will improve the safety and efficiency of our test setup.

- Worked with another EE to design a meter rack that holds 30 units and improves testing efficiency and safety through remote switching schemes and controls
- Oversaw the installation of 3 phase power in the test lab
- Managed the design of a remote meter switch that connects, disconnects, or reverse wires a meter
- Managed the design of a custom load box to replace the use of noisy fans and unsafe heaters in the lab
- Presented solution to upper management

EDUCATION

- **B.S. – Electrical Engineering**
- University of Idaho - 2012
- GPA 3.8
- Passed EIT exam
- Teaching Assistant of the Year award
- Avista Foundation Scholarship Recipient
- **Post-Bachelors Classes**
- ECE 528: Understanding Power Quality
- ECE 587: Sustainable and Renewable Energy

CONTACT

- dan512x2@gmail.com

Computer Skills

- Microsoft Outlook, Word, Excel, Power Point, Project, Visio, and OneNote
- Mathcad
- Cadence Allegro Schematic and PCB Design
- LabVIEW
- Linux basic commands

Equipment Skills

- Oscilloscopes
- Spectrum Analyzers
- DMMs
- Thermal Imaging Devices
- Programmable Power Supplies
- Waveform Generators
- Light Spectrometers

Programming

- Embedded C/C++

Hobbies

- Guitar
- Cycling
- Drawing

WORK EXPERIENCE CONTINUED

Teaching and the Arts: I took time off to pursue professional skills in the fields of Teaching, Art, and Music. Listed below is a chronology of the work and education during this time.

Power Lab Instructor University of Idaho, Moscow, ID	Aug 2022– Mar 2023
Kids Guitar Instructor Rock School, Coeur d'Alene, ID	Sep 2021 – Dec 2021
Art and Music Studies NIC, Coeur d'Alene, ID	Aug 2019 – Nov 2022
7th Grade Math Teacher Poudre School District, Fort Collins, CO	Oct 2018 – May 2019

Electrical Hardware Engineer IV Nov 2012 – May 2017
Hewlett-Packard, Boise, ID

Circuit Design: Think of taking your smart phone and putting it on a printer. I designed the circuit board that drives touchscreens found on HP's high end Laserjet Printers.

- Supported Neonode infrared touchscreen control panel
- Circuits included 32V boost converter, audio driver and filter, LVDS, STM32, and infrared electronics
- Promoted architectural changes that saved \$200,000 in lifetime production costs
- Performed ESD tests up to 18kV for FCC requirements

Firmware: Provided early product turn on support.

- Programmed STM32F0 microcontroller
- Functions included SPI, ADC, PWM, Hardware Timers, and a simple Interrupt Service Routine.

LANGUAGES



100%

English

Native Language



25%

Swedish

Uppsala International Summer Session 2019
• A1 and A2 Classes
• Sala Silver Mine Tour



33%

German

University of Idaho
• German 102 (A2)
• German 201 (B1)