

Severn A. Anderson

Project Engineer

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Education

Western Washington University
Bellingham, Washington
2013 - 2017
B.S. in Physics,
minor in Mathematics,
minor in Materials Science

Computer Languages

Expert

Python C++

Experienced

Mathematica VBA HTML

CSS Java G Code PHP

cURL Bash

Computer Programs

Expert

Google Application Suite Xampp

EasyEDA Arduino IDE Linux CLI

Notepad++ IntelliJ IDEA Excel

Experienced

Adobe CC AutoCAD FreePCB

Particle Cloud Windows CLI

Technical Skills

- Soldering
- Statistical experiment analysis
- Computational Programing
- IOT Network Setup
- Microcontroller Programming (Arduino, Amtel, Raspberry Pi)
- Wordpress Web Development

Human Languages

- English (Native)
- German (Fluent)
- Spanish (Novice)

From traveling the world by bicycle to developing specialized devices for well-established artists, my unique background accommodates a professional expertise in physics, project management, and software engineering. I am ready to tackle any challenge with enthusiasm and finesse, and am grateful for the opportunity to pursue a career that aligns with my passions.

Experience

Contract Project Engineer, Project Manager
Los Alamos, New Mexico, August 2018 - Present

Ahhbe LLC

- Designed and built novel electronic machines
- Built novel applications in Java & Python for custom media manipulation
- Developed purpose built electronic software for microelectronics
- Built hardware around various microcontroller sturctures
- Conducted lit analysis for patent feasibility

National Water Service

- Built a complete IOT network for remote monitoring system
- Required creation of a fully user independent platform for monitoring I/O and quick emergency response
- Rebuilt mission essential legacy device with updated AVR microcontoroller and built new I2C communication functionality.

Miscellaneous

- Web development via xampp and Wordpress including POS integration for various clients

Engineering Intern

Tacoma, Washington, June - September 2017

Pexco LLC

- Tested & manufactured new production extrusion dies
- Organized & moderated Kaizen meetings, & applied six sigma principles to factory processes. Implemented Lean Kaizen & Six Sigma strategies to reduce major factory waste related to regrind usage
- Worked side by side with machine operators & engineers to ensure that products consistently meet quality specifications
- Investigated & reported on possible issues when dies failed to perform

Other Projects

Particle Motion Simulation

- Used Python to simulate interactions of water molecules

Project Euler

- Used Mathematica & Python to solve 40+ problems to build analytical programing skills

Hobbies & Activities

Western Washington University Crew Bicycle Touring Beer Brewing

Triathlete Website building Programming Projects

Cleaning up street trash