



Daniel Strohfeltdt

Firmware Engineer

10 February 1994
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Skills

Python

C

C++

Vagrant

GNU Tools

BASH

Git

Regression Testing

Continuous Integration

Familiar Tools

Oscilloscopes, Function Generators,
Logic Analyzers, Spectrum Analyzers,
Gauss Meters, Digital Multimeters

Interests

Science! Riding bicycles as far as I can, climbing mountains, back-packing, and fishing. I have a special place in my heart reserved for incredible world changing modes of transportation.

Education

2012-2017 B.Sc. University of Wisconsin - Milwaukee
Majoring in Computer Engineering

2008-2012 High school Monona Grove High School
Specializing in mathematics, physics, and engineering.

Experience

2017 - Tesla INC. Firmware Engineer - Intern
Software in the loop.

2015 - 2017 University of Wisconsin - Milwaukee Undergraduate Researcher
Magnetic Flux Leakage NDE, robotics project for the United States Federal Highway Administration. Designed and fabricated sensor package used to detect and track magnetic flux densities between 6 orders of magnitude in X, Y, and Z axes. Developed real time data visualization software for field scanning of concrete structures. Developed post-processing software to determine areas of structural defect in concrete structures.

2015 EDCS Power Electrical Engineer - Intern
Start-up company focused on creating high efficiency DC power supplies for servers. Designed and prototyped sensing circuitry for a 100kW AC/DC power supply. Developed technology for syncing function generators in order to simulate 3 phase power. Tested SiC mosfets for high power, high frequency switching.

2014 City of Madison Civil Engineer - Intern
10 million dollar project of East Johnson Street, Madison, WI. Road construction project planning. Coordinated with multiple contracted construction crews and engineering firms to efficiently meet project deadlines. Oversaw construction crews to make sure project plan was followed. Recorded measurements to determine payment for construction companies.

Other information

Vice President of IEEE - University of Wisconsin Milwaukee chapter 2015 - 2017
FORTE scholarship recipient 2012
Structure Magazine Article | Magnetic Flux Leakage for NDE