

MATTHEW SLOCUM

<https://github.com/arc3x>

503.432.1171

matthew.d.slocum@gmail.com

EDUCATION

2011-2016 Portland State University BS in Computer Science

Minor Mathematics

Minor Electrical Engineering

February 2016 - July 2016 PSU Capstone - Rustproof

<https://github.com/Rust-Proof/rustproof>

Worked on a team of 7 to develop a verification condition generator for a subset of the rust language. Rustproof leverages predicate transformer semantics to generate a weakest precondition for a given function.

November 2015 PSU Project - TauNet

<https://github.com/arc3x/taunet>

Designed, documented, implemented, tested, and debugged a medium scale project. TauNet is a decentralized, encrypted, raspberryPI based communication software.

September 2014 - September 2015 Lecturer

Oregon Foster System

Developed and lectured a curriculum on database driven web design.

July 2013 - September 2015 Freelance Web Engineering

Theta Designs

Responsible for every aspect of design, development, testing, and deployment. Focused on rapid development using cakePHP with a mobile-first, responsive, UI.

September 2012 - July 2013 Principal Web Engineer

Daedalus Creations

Responsible for backend design, database architecture, and client relations.

PROFESSIONAL SKILLS

Systems Programming
Full Stack Web Design
Database Architecture

Languages

CSS/HTML

PHP

SQL

Javascript

C/C++

Rust

Java

Python

Frameworks

CakePHP

Extentions

Bootstrap

pureCSS

jQuery

angular

EMPLOYMENT