

Jeffrey Crocker

crockagile@gmail.com

EDUCATION

UNIVERSITY OF IDAHO

BACHELOR OF COMPUTER SCIENCE

2015 | Moscow, ID

College of Engineering

Cum Laude

Cum. GPA: 3.92

UNIVERSITY OF IDAHO

BACHELOR OF PHYSICS

2015 | Moscow, ID

College of Science

Cum. GPA: 3.92

AWARDS

Cum Laude

2015

National Merit Scholar

2011-2015

Scholar Athlete Award

2011

LINKS

Github:// [CrockAgile](#)

LinkedIn:// [CrockAgile](#)

COURSEWORK

UNDERGRADUATE

Discrete Mathematics

Theory of Computation

Analysis of Algorithms

Network Security

Applied Security Concepts

Compiler Design

Software Engineering

SKILLS

APPLICATIONS

Device Drivers • Web Applications

TECHNOLOGIES

C • C++ • JavaScript

SQL • Rust • Node

React • Qt • Elm

INTERESTS

Podcasts

Computer Science Education

Silly Web Apps

Physics Modeling

EXPERIENCE

SOFTWARE ENGINEER | POLYSYNC

2015 - 2017 | Portland, OR

- Created Unix user space drivers for automotive sensors
- Produced runtime system SQL interface and data visualization tools
- Built high-throughput distributed sensor data record and replay system
- Maintained and extended public C and C++ API

SOFTWARE ENGINEER INTERN | CLEARWATER ANALYTICS

May 2014 – Aug 2014 | Boise, ID

- Developed company's first hybrid mobile app using Ionic framework
- Worked as a member of a professional team practicing agile development
- Implemented security competent password reset system

CHALLENGE COURSE FACILITATOR | YMCA CAMP ORKILA

Summer 2011 – Summer 2013 | Eastsound, WA

- Facilitated curriculum focused on effective group communication techniques and the individual's role within the group
- Operated professionally and maturely while facilitating activities with participants in high-stress, elevated risk environments

COMMUNITY

OPEN SOURCE

- As part of the Rust "Impl Period", updated and expanded the Rust compiler's incremental build tests
- Added dependency visualization feature to Conan, a build system heavily used then by my employer
- Contributed to a Rust crate for parsing Backus–Naur form context-free grammars
- Improved common user documentation in several projects such as Tokio, parcel-bundler, and style-elements

PERSONAL

VALUES

- Write code that benefits everyone, not a select few
- I am ethically responsible for my software
- Act in good faith with the trust society gives me

DREAMS

- Make software so painless my family never needs tech support
- Empower citizens with tools and information that aid a functional democracy
- Complete my queue of personal projects