

# Jeffrey Crocker

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## 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

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

### INTERESTS

Podcasts

Computer Science Education

Robotics

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 functionality for customers

### 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

## EXTRACURRICULAR

### PACIFIC RIM COLLEGIATE CYBER DEFENSE COMPETITION

#### UNIVERSITY OF IDAHO TEAM MEMBER

2014-2015 | Seattle, WA

"PRCCDC provides students with real world challenges while maintaining a corporate network that cannot be replicated in a typical classroom, making students better trained and prepared when they graduate."

- Defended internally sabotaged computer network from experienced attackers.
- Responded to pseudo business requests and scenarios.

### CYBER SECURITY AWARENESS WEEK CTF

#### UNIVERSITY OF IDAHO TEAM MEMBER

September 2014 | Online

"A capture the flag competition designed for undergraduate students who are entering the field of cyber security."

- Completed challenges including forms of forensics, exploitation, and reverse engineering.
- Organized and recruited a team of classroom peers