# Elijah Grubb

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**www.elijahgrubb.com**

## EXPERIENCE

### University of Maryland, College Park, MD
*Graduate Teaching Assistant*

AUGUST 2018 - PRESENT

- CMSC 330 Org. of Programming Languages class, 500+ students

### University of Utah, Salt Lake City, UT
*Undergraduate Research Assistant*

SEPTEMBER 2017 - AUGUST 2018

- Worked with Prof. Eric Eide on bringing Docker support to the Emulab network testbed system housed at the University of Utah
- Publication at CSET @ USENIX Security Symposium 2018
- Developed framework for testing correctness of volatile variables and their handling in modern C compilers

### Qualtrics, Provo, UT
*Software Engineer Intern*

MAY 2017 - AUGUST 2017

- Built a full stack application from scratch for assisting team in storing custom settings for active projects

### Goldman Sachs, Salt Lake City, UT
*Technology Summer Analyst*

JUNE 2016 - AUGUST 2016

- Designed and built a backend application based on corporate needs
- Worked with full time engineers to build efficient RESTful APIs fast
- Leader for younger interns in the product development lifecycle

## EDUCATION

### University of Maryland, College Park, MD
*Ph.D. in Computer Science*

2018 - PRESENT

Interested in research involving systems, security, and cryptography.

### University of Utah, Salt Lake City, UT
*B.S. in Computer Science*

2014 - 2018

Relevant Courses: Software Verification, Distributed Systems, Advanced Operating Systems, Database Systems, Artificial Intelligence, Computer Systems, Linear Algebra, Data Mining.

## LANGUAGES

C, Java, C#, Swift, Python, C++, JavaScript, Matlab, SQL, NodeJS, x86, Ocaml

## PUBLICATIONS

**Supporting Docker in Emulab-Based Network Testbeds.**
D. Johnson, **E. Grubb**, E. Eide. *CSET 18.*

## SPECIAL SKILLS

- Virtualization, Containers
- Distributed Systems
- Operating Systems
- System Architecture
- Database Design
- Zero-Knowledge Systems
- Applied Cryptography
- Code Review

## PRODUCT KNOWLEDGE

Docker, Vim, NodeJS, Git, SVN, Linux, Windows, MacOS

## AWARDS

**Top 4 Finish** Internal Goldman Sachs Hackathon

**3rd Place** University of Utah Hackathon co-hosted by the U of U ACM

**6x Dean's List** University of Utah College of Engineering

**Eagle Scout** Boy Scouts of America