

## Experience

Mountain View, CA **Google**, Software Engineer  
04/19 – Pres

Richmond, VA **Capital One**, Software Engineer Intern  
06/18 – 08/18  
Used Java to rewrite email microservice for wire transfers

- Improved performance from minutes to real-time using Kafka
- Affects 7000+ transfers totaling \$14B+ per day

Bellingham, WA **Faithlife**, Software Development Intern  
05/17 – 08/17  
Used C#, React, CSS, Node.js to create features and bug fixes

- Implemented 'Reopen Closed Tab' for complicated grid layout
- Developed API-agnostic speech-to-text service using WebSockets
- Created a team with a marketer, developer, and intern for hackathon

Charlotte, NC **Christ Covenant Church**, Website Intern  
08/13 – 05/15  
Used CSS to redesign church website navigation bar

- Developed SQL queries for users to navigate sermon database
- Created and designed children's ministry website from scratch

## Hackathon Projects

College Park, MD **Bitcamp**, Hack Attack  
04/17 – 05/17  
Used PHP, JavaScript, CSS to develop interactive website

- Created 1-on-1 real-time challenges to teach programming
- Expanded on for a Facebook event hosted by Hackers at VT
- Developed cryptography and capture the flag challenges
- Held a tournament with 95+ student participants

Durham, NC **HackDuke**, Bird Song  
10/17  
Created a swarm intelligence platform for classifying bird songs

- Used Node.js and JavaScript to develop server and client code
- The website updates real-time using WebSockets

## Personal Projects

04/14 **Stealth PNG**

- Used C to write a steganography program
- Encrypts and hides files or plain text inside PNG images
- Slightly modifies pixel colors (appears unchanged to human eyes)

## Education

### Virginia Tech

2018 B.S. in Computer Science  
2018 Minor in Japanese  
2016 – 2018 CSRC Scholarship  
· Graduated Summa Cum Laude

## Involvement

### Hackers at Virginia Tech

02/17 – 05/18 Leadership Team  
Fall 2017 Workshop Head

### Teaching Assistant

Fall 2018 CS 3214 Computer Systems  
Spring 2018 CS 2114 Data Struct. & Algo.  
Fall 2017 CS 1044 Intro to Prog.

### Computer Science Mentoring

2018 Mentor

### Kaiwa no Kai

(Japanese Conversation)

08/15 – 12/18 Member

## Skills

### Coding

Proficient Python, C, Java, CSS,  
JavaScript, HTML, Regex  
Familiar React, Bash, Sass, LaTeX,  
Node.js

### Tools

· Git, Linux, Vim, Unit Testing

### Languages

· Japanese  
(Limited Working Proficiency)