

Experience

- Richmond, VA* **Software Engineer Intern, Capital One**
06/18 – 08/18 Used Java to rewrite email microservice for wire transfers
- Deployed on AWS EC2 using Jenkins & Docker
 - Improved performance from minutes to real-time using Kafka
 - Affects 7000+ transfers totaling \$14B+ per day

- Bellingham, WA* **Software Development Intern, Faithlife**
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* **Website Intern, Christ Covenant Church**
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

Projects

- College Park, MD* **Hack Attack, Bitcamp**
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

- 04/18 – 05/18* **Raku Manga**
- Used React, Node.js, CSS to create manga/comic reader
 - Features bidirectional infinite scrolling for seamless reading
 - Auto-saves progress with cookies

- Durham, NC* **Bird Song, HackDuke**
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

- 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

- Exp 12/18* B.S. in Computer Science
Minor in Japanese
- 2016 – 2018* CSRC Scholarship
- 2017 – 2018* Dean's List with Distinction
3.78 GPA

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

- 01/18 – Pres* Mentor

Kaiwa no Kai

(Japanese Conversation)

- 08/15 – Pres* Member

Skills

Programming

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

Tools

Git, Linux, Vim, Unit Testing,
Kafka

Languages

Japanese
(Limited Working Proficiency)