

Experience

- Richmond, VA* **Software Engineer Intern, Capital One**
Summer 2018
- Used Java to rewrite email service for wire transfers
 - Deployed on AWS EC2 using Jenkins & Docker
 - Improved performance from minutes to real-time using Kafka
 - Affects 7000+ transfers totalling \$14B+ per day
- Bellingham, WA* **Software Development Intern, Faithlife**
Summer 2017
- 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 – Pres Leadership Team
Fall 2017 Workshop Head
- Teaching Assistant**
Spring 2018 CS 2114
Fall 2017 CS 1044
- 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 commands, Vim,
Unit Testing, Kafka
- Languages**
Japanese
(Limited Working Proficiency)