

Experience

Richmond, VA **Software Engineer Intern, Capital One**
Summer 2018

- Used Java to rewrite email-sending microservice for wire transfers
- Deployed on AWS using Jenkins & Docker
- Improved performance from minutes to real-time using Kafka
- Affects 1000+ daily users

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)