

## Experience

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