

# Jack Cogdill

SOFTWARE ENGINEER · STUDENT

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## Education

### Virginia Tech (Virginia Polytechnic Institute and State University)

B.S. IN COMPUTER SCIENCE

- 3.73 GPA
- Minor in Japanese Studies

Blacksburg, VA

Expected Dec. 2018

## Work Experience

### Faithlife

SOFTWARE DEVELOPMENT INTERN

- Used C#, JavaScript (React and NodeJS), and CSS to contribute new features and bug fixes to production code on Bible study software 'Logos'
- Worked alongside a team of senior developers and actively participated in sprint planning meetings
- Learned about all aspects of development by getting coffee with over 25 employees from executive, marketing, design, customer service
- Worked on a team with a marketer, developer, and another intern for internal hackathon

Bellingham, WA

May - Aug. 2017

## Side Projects

### Bird Song

HACKATHON PROJECT

- Worked with a team of three at HackDuke to develop a swarm intelligence platform for classifying bird songs in noisy environments
- Personally used JavaScript for the backend server and client code to update the website real-time with all users' inputs using WebSockets

Duke University

Oct. 2017

### Hack Attack

HACKATHON PROJECT

- Worked with a team of three at Bitcamp and later expanded on the project for a Facebook event hosted by Hackers at VT
- Used PHP, JavaScript, and CSS to develop a website with one-on-one real-time challenges intended to teach basic programming and security
- Created a tournament-style bracket with over 95 participants who competed in the cryptography and capture the flag challenges

Univ. of Maryland & Virginia Tech

Apr. - May 2017

### Stealth PNG

PERSONAL PROJECT

- Used C to write a steganography program which hides plain text or files inside PNG images
- Works by storing the encrypted data in the least two significant bits of pixels (looks unchanged to the human eye)

Charlotte, NC

Apr. 2014

## Skills

**Programming** Python, C/C++, Java, C#, Bash, Git, LaTeX  
**Web** CSS, Sass, JavaScript, React, HTML, PHP  
**Languages** English, Japanese (Limited working proficiency)

## Extracurricular Activity

**Leadership Team**, Hackers at VT

**Teaching Assistant**, CS 1044, CS 2114 (Data Structures and Algorithms)

**Member**, Kaiwa no Kai (Japanese Conversation Group)

Feb. 2017 - Present Virginia Tech

Aug. 2017 - Present Virginia Tech

Aug. 2015 - Present Virginia Tech

## Honors & Awards

**Recipient**, Computer Science Resources Consortium Scholarship

**Recipient**, Deans List with Distinction

2016 - 2017 Virginia Tech

May 2017 Virginia Tech