

# Jack Cogdill

SOFTWARE ENGINEER · STUDENT

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## Education

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

B.S. IN COMPUTER SCIENCE

- 3.72 GPA
- Minor in Japanese Studies

Blacksburg, VA

Expected Dec. 2018

## Work Experience

### Faithlife

SOFTWARE DEVELOPMENT INTERN

- Used C# and Javascript (React and NodeJS) to contribute new features and bug fixes to production code on Bible study software 'Logos'
- Worked alongside a team of senior developers: received feedback through code review and actively participated in sprint planning meetings
- Learned about all aspects of development by getting coffee with over 25 employees including executives, marketers, designers, and customer service
- Worked on a team with a marketer, developer, and another intern for internal hackathon

Bellingham, WA

May - Aug. 2017

## Side Projects

### 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 to develop a website with one-on-one real-time programming and security challenges intended to teach basic programming skills
- 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

### ContinuWall

PERSONAL PROJECT

- Wrote an image tile manager in Python used to automatically split wallpapers to correctly fit multiple displays of varying sizes on MacOS

Bellingham, WA

Jun. - Jul. 2017

### Stealth PNG

PERSONAL PROJECT

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

Charlotte, NC

Apr. 2014

## Skills

**Programming** Python, C/C++, C#, Java, Bash, Git, LaTeX, NodeJS

**Web** Javascript, React, HTML5, CSS, Less, Sass, PHP

**Languages** English, Japanese

## Extracurricular Activity

**Undergraduate Teaching Assistant**, CS1044 (Intro to Programming in C++)

Aug. 2017 - Present Virginia Tech

**Workshop Committee Head**, Hackers at VT

Feb. 2017 - Present Virginia Tech

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

Aug. 2015 - Present Virginia Tech

## Honors & Awards

**Recipient**, Computer Science Resources Consortium Scholarship

2016 - 2017 Virginia Tech

**Recipient**, Deans List with Distinction

May 2017 Virginia Tech