Jack Cogdill

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Experience

Richmond, VA
Summer 2018
Software Engineer Intern, Capital One
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
Summer 2017
Software Development Intern, Faithlife
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
08/13 – 05/15
Website Intern, Christ Covenant Church
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
04/17 – 05/17
Hack Attack, Bitcamp
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
10/17
Bird Song, HackDuke
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
Fall 2018 CS 3214 Computer Systems
Spring 2018 CS 2114 Data Struct. & Algo.
Fall 2017 CS 1044 Intro to Prog.

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, Vim, Unit Testing, Kafka

Languages
Japanese
(Limited Working Proficiency)