Kyle THOMPSON

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🎓 EDUCATION

Aug 2014
Dec 2018

B.S. in Computer Science — Virginia Tech — Blacksburg, VA
> Courses : System and Networking Capstone, Computer Systems, Mobile Development (iOS), Relational Database Management Systems, Software Design, Data Structures and Algorithms

Overall GPA : 3.56   In-Major GPA : 3.67

💼 EXPERIENCE

Jun 2018
Aug 2018

Software Engineer Intern — Capital One — Richmond, VA
> Developed a data monitoring tool that tracks the arrival of daily batch files to S3 buckets and reports the status to DataDog for dashboard visualization

Python   AWS Lambda   AWS S3   DataDog   MongoDB   DevOps

Jan '16 - Aug '16
Jun '17 - Aug '17

Software Engineer Intern/Co-Op — Solers Inc. — Arlington, VA
> Collaborated with agile team to develop DIBNet - a DoD cyber threat and incident information reporting portal
> Implemented a security certification uploader
> Refactored an email service to allow admins the ability to edit templates in-site

Java   Vagrant   Ansible   RHEL   jQuery   Groovy

Aug 2017
Present

Undergraduate Teaching Assistant — Virginia Tech — Blacksburg, VA
> Help students with concepts in CS 1044 (Intro to C++) and CS 2114 (Data Structures and Algorithms)
> Hold lab sessions and help students with debugging

Java   C++   JUnit   Eclipse

🔧 PROJECTS

Fall 2018

Pintos, CS-4284
> A simple mulit-processor operating system framework for the 80x86 architecture
> Includes a functional thread system, user process space, virtual memory manager, and a file system

C   x86

Fall 2018

Mesh Network Messaging App, CS-3704
> A mobile app that uses a network of Bluetooth connections to send messages to other users

Java   Scrum

Summer 2018

Lendibly, PERSONAL
> A cloud hosted web-app used for loaning and borrowing items from other users
> Designed and implemented the database and API gateway

Node.js   React   PostgreSQL   AWS Lambda   AWS RDS   AWS API Gateway

Spring 2018

Malloc, CS-3214
> A memory manager implemented with a segregated red-black tree

C

Spring 2018

Meetis, CS-3714
> A note taking and annotation iOS app for recurring events like class or meetings

iOS   Objective-C   Xcode

☰ SKILLS

Proficient   Java, C, Swift, VCS(Git, Stash), GNU/Linux, macOS
Familiar   AWS(Lambda, EC2, API Gateway, RDS, S3), React, Node.js, LaTeX, MongoDB, PostgreSQL, Docker