

KATE HAROLD

Fairfax Station, Virginia
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EDUCATION

Virginia Tech, Blacksburg, VA
Bachelor of Science in Computer Science
GPA: 3.48/4.00
Dean's List: 2017 - Present

Expected Graduation: December 2020

TECHNICAL SKILLS

Java, C, Python, HTML, JavaScript, CSS, SQL, ReactJS, JSON, XML, Bootstrap, Linux CLI, GitHub, Microsoft Office

WORK EXPERIENCE

Technical Intern, *BAE Systems Inc*

June 2020 - August 2020

- Migrated a web application from Struts 1 to Struts 2 by modifying xml configuration files.
- Wrote scripts that connected the front end to the back end Action classes for database access.
- Created front end modals and calendar functionalities using Bootstrap and jQuery.

Software Development Intern, *Freddie Mac*

May 2019 - August 2019

- Strengthened technical and professional skills working with software development team
- Gained experience in RapidSQL, Spring Boot, and Java
- Analyzed and documented legacy batch jobs to support loan evaluation and validation. Met all deadlines.

PROJECTS

Personal Website

July - August 2020

- Built a React web app and AWS Amplify Console
- www.kate-harold.com

Extensible Shell

Spring 2020

- Designed an extensible shell that handled built-in commands, signal handling, pipes, and I/O redirection.
- Wrote custom signal handlers to manage processes' access to the terminal.
- Implemented custom plugins such as an Auto Key cipher and a decimal to binary converter.

Fork-Join Threadpool

Spring 2020

- Implemented a Threadpool to complete large tasks by utilizing multi-threading, locks, and semaphores.
- Designed the Threadpool to allow threads to steal incomplete tasks from other threads through signaling.

ACTIVITIES AND LEADERSHIP

Events Coordinator, *Investing Club*

January 2019 - January 2020

- Coordinated with six other students to create an organization to promote investing and broader financial literacy.
- Planned and scheduled meeting dates and was the main point of communication for members.
- Researched finance topics and led discussions for club meetings.