

KATE HAROLD

Fairfax Station, Virginia

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EDUCATION

Virginia Tech, Blacksburg, VA
Bachelor of Science in Computer Science
GPA: 3.49/4.00

Graduation: December 2020

TECHNICAL SKILLS

Java, C, Python, HTML, JavaScript, CSS, SQL, ReactJS, JSON, Linux CLI, GitHub

WORK EXPERIENCE

Technical Intern, *BAE Systems Inc*

June 2020 - Present

- Updated a mail and records tracking web application from Struts 1 to Struts 2 by modifying xml configuration files.
- Wrote JavaScript functions 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.

PROJECTS

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 access data from other threads through signaling.

Personal Website

July 2020 - Present

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

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.