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Kyle M. Hall

Education

The University of Iowa, Iowa City, IA
BSE in Computer Science and Engineering

Anticipated Graduation May 2020
Cumulative GPA 3.42/4.00

Work Experience

Cerner, Software Engineering Intern

May 2019 – August 2019

- Developed patient facing medical software.
- Enhanced single sign on validation for the Department of Defense.
- Collaborated with members of the product development team.
- Gained experience using the Agile development process on a large-scale application.

Showpad, Full Stack Intern

June 2018 – August 2018

- Assisted in client integration problem-solving.
- Developed proof of concept, full stack, applications.
- Created user friendly documentation for client integration.
- Developed unique use cases for Showpad's SDK.

Software Engineering Technical Skills

Computer Programming:

- Experience with algorithms, data structures, Java (Spring framework), Python (Django framework), C++, C, SQL, JavaScript, HTML, CSS, Verilog, AVR assembly language, Swift, Matlab, Git, and Subversion.

Fancy Weather Web Application:

- Lead a diverse team of developers to create a full stack web application.
- Utilized user's IP addresses to dynamically populate the website's background.
- Created a server to manage the actions needed for the site.

Hackathon E-Commerce Application:

- Rapidly developed a multi-threaded web application allowing synchronous transactions.
- Drafted requirements and developed a functioning version in under 72 hours.
- Effectively divided tasks and managed time with a collaborator.

Square Split Mobile Application:

- Programmed a group bill splitting iOS app with a team of developers.
- Spearheaded meetings to organize specific objectives to keep product development on schedule.

Leadership Experience

Beta Theta Pi, Vice President of Programming

December 2017 – November 2018

- Elected to work alongside executive council to make professional, long-term decisions.
- Created subcommittees and delegated tasks in order to streamline programming responsibilities.
- Budgeted and managed funds in excess of \$30,000.
- Orchestrated and executed large scale events while collaborating with other executive council members.

Beta Theta Pi, Vice President of Alumni Relations

December 2018 – Present

- Re-elected to serve a second term on the executive council.
- Clearly communicated recent accomplishments and upcoming events to alumni.
- Managed feedback and funds from a major capital campaign.