Sean M. Griffen

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Objective

Seeking a 2021 summer internship related to Computer Engineering

Higher Education

Iowa State University   **Ames, Iowa**
Bachelor of Science in Computer Engineering   Expected December 2021
Cumulative GPA: 3.12

Leadership Roles and Experience

Employment

Vermeer Corporation – *Embedded Software Engineer*   Summer 2020 – Current
- Embedded software for HDDs and Pile Drivers
    - Industry use of MATLAB, Simulink, Qt, CAN, J1939
    - Development of machine unit tests
    - Self-management to work on multiple projects at the same time

Farmers Mutual Telephone Company – *General Developer*   Summer 2019 – Current
- Full-stack web development
    - Industry use of Spring, MySQL, HTML, CSS, and JavaScript
    - Self-management to meet deadlines
    - Quick problem solving and debugging issues with program flow
- Contract employment to support projects I worked on

Hackathons

Squirrel Hacks XI - *Hot Car Ally*   Fall Semester 2019
- Using an Arduino Uno and sensors to save a child from a hot car
    - Gathering data from multiple sources to make an informed decision
    - Creation of a working prototype in a short amount of time
    - Serial and radio communication between devices
- Winner of 1st place hardware and Vermeer's Best IoT Device awards

Class Projects

COMS 309 - *Software Development Practices*   Spring Semester 2019
- Backend application for an augmented reality phone app
    - Usage of MySQL databases to store, update, and remove Java objects
    - Real-time request-and-response communication using the HTTP protocol

Boy Scouts of America

Eagle Scout Project Coordinator   December 2014 – July 2016
- Coordination of new Viking Lake State Park, Iowa Trail Signs
    - Designing and marketing of the project
    - Coordination of a group of 30+ people for about 2 years
    - Budgeting project costs and available funds

Skills

- Coding in C, Java, MATLAB, Qt, HTML, CSS, JavaScript, Verilog, and VHDL
- Usage of Spring, MySQL, Git, and Linux CMD

Activities

- Crossroads Percussion   Spring 2018 – Spring 2020
- Cyclone Football Varsity Marching Band Drumline   Fall 2017 – Fall 2020
- National Honor Society   2015 – 2017
- Boy Scouts of America   2009 – 2017