

Sean M. Griffen

CURRENT ADDRESS: Pella, Iowa 50219

PERMANENT ADDRESS: Red Oak, Iowa 51566

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Objective

Seeking a 2021 summer internship related to Computer Engineering

Higher Education

Iowa State University

Bachelor of Science in Computer Engineering

Cumulative GPA: 3.12

Ames, Iowa

Expected December 2021

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 |