

Sean M. Griffen

CURRENT ADDRESS: Ames, Iowa 50012

PERMANENT ADDRESS: Red Oak, Iowa 51566

EMAIL – hire.seangriffin@gmail.com :: WEBSITE – www.seangriffin.net

Objective

Passively seeking a full-time position related to embedded software in Computer Engineering

Education

Iowa State University

Masters of Engineering in Computer Engineering
Bachelor of Science in Computer Engineering

Ames, Iowa

Cumulative GPA: 3.33 – Expected December 2022

Cumulative GPA: 3.22 – Received December 2021

Red Oak Community High School

High School Diploma

Red Oak, Iowa

Graduating GPA: 4.161 – Received May 2017

Leadership Roles and Experience

Employment

Vermeer Corporation

- ***TCRL(E) Embedded Software Engineer Intern*** Summer 2021 – Current

- Embedded software for Brush Chippers, Stump Cutters, Engine ECUs
- Development of internal simulation tools and controllers
- Continued development of development tools and company-wide libraries
 - Continued use of MATLAB, Simulink, C, CAN, J1939

- ***UT Embedded Software Engineer Co-Op***

Summer 2020 – Summer 2021

- Embedded software for HDDs, Pile Drivers
- Development of internal tools to support development
- Development of machine unit tests and component simulators
 - Use of MATLAB, Simulink, Qt, C/C++, CAN Networks, J1939 Protocol

Farmers Mutual Telephone Company

- ***Contract Developer***

Summer 2020 – Summer 2021

- Full stack web development
 - Continuation of work done as an intern

- ***Developer Intern***

Summer 2019 – Summer 2020

- Full stack web development
 - Use of Spring, MySQL, HTML, CSS, and JavaScript
 - Self-management to meet deadlines
 - Quick problem solving and debugging issues with program flow

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

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

- Industry coding in C/C++, MATLAB
- Familiar with Java, JavaScript, CSS, HTML, Verilog, and VHDL
- Usage of QT, Git, SQL (MySQL and SQLite), Spring, and Linux CMD

Activities

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|---|---------------------------|
| • Cyclone Football Varsity Marching Band Drumline | Fall 2017 – Fall 2021 |
| • Crossroads Percussion | Spring 2018 – Spring 2020 |
| • National Honor Society | 2015 – 2017 |
| • Boy Scouts of America | 2009 – 2017 |