

Sean M. Griffen

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Objective

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

Education

Iowa State University

Ames, Iowa

Masters of Engineering in Computer Engineering

GPA: 3.76 – Expected December 2022

Bachelor of Science in Computer Engineering

GPA: 3.30 – December 2021

Experience and Projects

Vermeer Corporation

Engineer I – Embedded Software

January 2022 – Current

- Continuing embedded software development for Brush Chippers, Stump Cutters, and Engine ECUs
- Continuing development of internal simulation tools and controllers

TCRL(E) Embedded Software Engineer Intern

May 2021 – January 2022

- Embedded software for Brush Chippers, Stump Cutters, and Engine ECUs
- Development of internal simulation tools and controllers

UT Embedded Software Engineer Co-Op

May 2020 – Summer 2021

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

Farmers Mutual Telephone Company

Contract Developer

May 2020 – May 2021

- Full stack web development
- Continued work done as an intern

Developer Intern

May 2019 – May 2020

- Full stack web development
- Use of Spring, MySQL, HTML, CSS, and JavaScript
- Self-management to meet deadlines

Hackathons

Squirrel Hacks XI – Hot Car Ally

December 2019

- Using an Arduino Uno and sensors to save a child from a hot car
- Winner of 1st place hardware and Vermeer's Best IoT Device awards

Skills

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

Activities

- Cyclone Football Varsity Marching Band Drumline
 - Crossroads Percussion
 - Boy Scouts of America
- Fall 2017 – Fall 2021
Spring 2018 – Spring 2020
2009 – 2017