

# Sean M. Griffen

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## Objective

Seeking a 2020 summer internship or co-op related to Computer Engineering

## Education

### **Iowa State University**

Bachelor of Science in Computer Engineering

Cumulative GPA: 2.79

**Ames, Iowa**

Expected December 2021

## Leadership Roles and Experience

### Employment

#### **Farmers Mutual Telephone Company – *General Developer***

Summer 2019 – Spring 2020

- 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

### 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 1<sup>st</sup> 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
  - Communicating between project dependents
  - Budgeting project costs and available funds

## Skills

- Coding in C, Java, HTML, CSS, JavaScript, Verilog, and VHDL
- Usage of Spring, MySQL through Spring and MySQL Workbench, 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