Jake Hafele

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OBJECTIVE

Seeking computer engineering internship for the Summer of 2022

EDUCATION

Iowa State University, College of Engineering, Ames, Iowa

Bachelor of Science in Electrical Engineering   Expected December 2023
Working towards minor in Mathematics
GPA: 4.0/4.0

- Top 2% of engineers award   2019 – 2021
- College of Engineering Dean's List   2019 – 2021

EMPLOYMENT

Workiva - Software Engineer Intern   May 2021 – August 2021
- Simulated and quality checked code before it was shipped
- Collaborated on a team of 7+ developers to produce and debug code for an industry product

Iowa State University - Digital Logic Teaching Assistant   January 2021 – May 2021
- Prepared 2 weekly recitations and labs each week for 20 students
- Held 1 office hour each week to help guide students through labs
- Proctored 3 exams online with 60+ students throughout the semester

SKILLS

Hardware   Altium, Debugging boards, Spice, Soldering, 3D printing
Software   Eclipse, Arduino, Fusion 360, Processing, Cura
Languages   C, C++, Java, Python, JavaScript

PROJECTS

Solar Car
- Soldered and tested 4 different boards that will go in the final car
- Accepted to attend a 1-week race to compete with the car
- Reorganized 200+ parts in the workspace

"Useless" Machine
- Used Altium to design a PCB to interface 8 switches and buttons
- Used CAD software and 3D printer to design 4 pieces of an arm
- Designed efficient code to be implemented with Arduino electronics

ACTIVITIES AND LEADERSHIP

- Prisum Solar Car Club – Librarian, Electronics team member   2020 – 2021
- Iowa State Critical Tinkers – Secretary   2019 – 2021
- Engineering Ambassador and Mentor Program – Current Member   2020 – 2021
- Iowa State Hackathon – Participant   2019