

Jake Hafele

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jakehafele101.github.io/jakeHafeleProjects/index.html

OBJECTIVE

Seeking electrical 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

GPA: 4.0/4.0

Working towards minor in Mathematics

EMPLOYMENT

Iowa State University, Ames, Iowa

Digital Logic Teaching Assistant

January 2021 – Current

- Organize and manage two online labs for students every week
- Prepare weekly recitations to review course content with students
- Hold my own office hours to help guide students through the weekly material
- Trusted by professor to review the course and be prepared throughout the semester

Iowa COVID-19 Tracker, Ames Iowa

Assistant Data Scientist

September 2020 – December 2020

- Trusted to analyze and deliver sensitive data daily
- Collaborated with a broad team to meet weekly requirements
- Managed my own schedule on a week-to-week basis, while communicating with employers

SKILLS

Hardware Altium, Spice, Soldering, 3D printing

Software Eclipse, Arduino, Fusion 360, Processing, Cura

Languages C, C++, Java, Python, JavaScript

PROJECTS

Headnode – Solar Car

- Worked on a team to update a 4 layer PCB for our battery protection board
- Redid the logic gates from another board and added a new way to implement them
- Helped with changes on both the schematic and layout after a systems change for our car

“Useless” Machine

- Used Altium to design a PCB to interface the switches
- Used CAD software and 3D printer to design the pieces of the arm
- Designed efficient code to be implemented with Arduino electronics

ACTIVITIES AND LEADERSHIP

- Prismo 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 Storm Marching Band - Member (2019 - 2020)
- Lego League State Championship – Volunteer (2020)
- Iowa State Hackathon – Participant (2019)