­­­Jake Hafele

JakeHafele1@gmail.com | jakehafele.com

**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 AssistantJanuary 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