

# Cai Chen

achen2304@gmail.com | (641) 808-8022 | Ames, IA | @LinkedIn | @GitHub | caizchen.com

## Education

### Iowa State University

Computer Engineering Sophomore

GPA: 3.52

Ames, IA

Aug 2023 – May 2026

### Mason City High School

Unweighted GPA: 4.0

Ames, IA

Sep 2019 – Jul 2023

## Projects and Extracurriculars

### Portfolio Website | *React, Node, Vite, Express, Git*

- Developed a responsive and visually appealing web application using HTML5, CSS3, and JavaScript to ensure compatibility and optimal performance across different devices.
- Integrated third-party libraries (e.g. AOS, React Router, React PDF viewer) to enhance functionality and improve user interaction.
- Engineered a backend server with Express and Vercel, enabling seamless and instant messaging functionality through the contact form.

### Pi Pico Keyboard | *KiCad, Git*

- Created custom schematic and PCB in KiCad that fully implements the Pi Pico microcontroller to allow for fully functional keyboard switches.
- Hand Soldered diodes, switches, and Raspberry Pi Pico in an appealing way without compromising functionality.
- Developed firmware for Raspberry Pi Pico to convert each keypress into a corresponding alphabet letter.

### Dedicated Home Server | *Ubuntu*

- Flashed and programmed Ubuntu Linux to properly run a home server through CasaOS that can store and share files through the network.

## Work Experience

### China Buffet

Food Preparation and Cashier

Mason City, IA

2014 – Sep 2020 & Feb 2023 – Aug 2023

- Work with knives to cut meats, vegetables, and fruits to ensure there was enough for five hundred plus customers for an entire day.

### Prime N Wine

Busser and Food Runner

Mason City, IA

Apr 2022 – Jan 2023

- Cleaned and set tables in a quick and precise manner to preserve the fine dining experience for the diners.
- Communicated with servers and cooks to ensure adequate amount of food on the buffet during closing to prevent waste.

### Walmart

Cashier

Mason City, IA

Oct 2020 – July 2021

- Handled transactions on the sales floor while communicating with customers

## Skills

**Languages:** C, Java, Html, CSS

**Frameworks:** React

**Software:** Altium, SolidWorks