

Cai Chen

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Education

Iowa State University

Bachelor of Science in Computer Engineering

GPA: 3.52

Ames, IA

December 2026

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 Node.js, 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

Feb 2023 – Aug 2023

- Adapted to changing demands, balancing food prep, multitasking, and maintaining a high standard of hygiene and safety in the kitchen.

Prime N Wine

Busser and Food Runner

Mason City, IA

Apr 2022 – Jan 2023

- Efficiently cleaned and reset tables, ensuring a smooth and enjoyable dining experience for guests, while maintaining a fine dining atmosphere.
- Coordinated with servers and kitchen staff to monitor food levels on the buffet, optimizing communication to minimize waste and improve service flow.

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, Java Script, Python

Frameworks: React, Express JS

Software: Altium, SolidWorks, KiCad, Microsoft 365, Google Suite