

# Kian Maher

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## SUMMARY OF QUALIFICATIONS:

Aspiring software engineer skilled in C, C++, and Java, with a strong foundation in web development tools. Eager to launch my career through a software internship, with a keen interest in advancing into machine learning and AI technologies.

## EDUCATION

University of California, San Diego (UCSD) | **GPA:** 3.83 | Transferred in 2024 from UC Davis

Bachelor of Science, Computer Science Engineering

**Expected Graduation:** June 2026

## Relevant Coursework:

Object-Oriented Programming, Advanced Data Structures, Computer Organization and Assembly Programming, Design/Analysis of Algorithms, Linear Algebra, Differential Equations and Vector Analysis, Machine Learning, Theory of Computation, Circuits and Systems, Operating Systems

## SKILLS

**Programming:** C++, Python, C, Assembly, Java, HTML, CSS, JavaScript, TypeScript, ReactJS, NodeJS

**Software/Tools:** Github, Git, Firebase, Microsoft Office, Linux OS, Windows OS, Visual Studio Code, Docker

**Certifications:** AI-900: Microsoft Azure AI Fundamentals Exam (Expected Summer 2025)

## RELEVANT EXPERIENCE/PROJECTS

**Business Card Editor – Front-End Web App**      Project | [GitHub](#) | UC San Diego – Mar 2025 to Jun 2025

- Built an interactive dual-canvas editor with **JavaScript**, **HTML5 Canvas**, and **DOM manipulation** for dynamic card design featuring text, images, and shapes
- Implemented persistent storage by serializing card data to **JSON** and using **LocalStorage**, with import/export support for **JSON**, **JPEG**, and **PDF** formats via **PDFKit**.
- Built drag-and-drop and file dialog upload features using the **File API**, including validation and error handling for intuitive user interaction.

**Triton Software Engineering: Full-Stack Developer**

UC San Diego – Jan 2025 to May 2025

- Collaborated with a cross-functional team of 6 to design and develop a full-stack web application for a local nonprofit serving unhoused communities.
- Built frontend components using **React** and managed backend endpoints via **Node.js** and **Firebase**.
- Worked with **RESTful APIs** and **JSON** for real-time updates, data exchange, and user authentication.
- Participated in **agile development cycles** including sprint planning, code reviews, and QA testing.
- Delivered and deployed a production-grade app that streamlined inventory tracking and reduced data entry time by over **40%**.

**#include - Coding Tutorial Website: Front-end Developer**

UC Davis – January 2023 to May 2023

- Developed a coding tutorial website to teach middle schoolers how to code using **JavaScript**, **HTML**, and **CSS**, with **SASS** to streamline and simplify the codebase.
- Implemented client-side interactions with a backend database using **SQL/NoSQL** queries to store and retrieve user progress and tutorial data.
- Delivered a fully functional website incrementally through iterative development cycles, following the **Software Development Life Cycle (SDLC)** phases, including planning, design, development, testing, and deployment, ensuring the project met high-quality standards.