Adrian Lam

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EDUCATION

University of California, Davis — Expected June 2026

Bachelor of Sciences in Computer Science and Statistics, Minor in Tech. Management — *GPA: 3.76*

Relevant Coursework: Algorithm Design and Analysis, Computer Architecture, Data Structures and Algorithms I and II, Abstract Mathematics, Probability and Statistical Modeling, x86 Assembly Language Processing, Linear Algebra, Discrete Mathematics, Introduction to AI, Machine Learning, Computer Graphics, Gameplay Programming

WORK EXPERIENCE

Undergraduate Researcher — Jul. 2024 - Present

University of California, Berkeley

- Assisting in the deployment of ChatHCW, a Large Language Model (**LLM**), to support medical personnel in India
- Conducted research on Large Language Models, utilizing **TensorFlow** and **Python** for training machine learning models
- Developing the official website for ChatHCW using **React Components** and **Tailwind CSS**

Full-Stack Developer Intern — Jun. 2024 - Sep. 2024

Neoteric Solutions Inc.

- Redesigned 6 eCommerce websites by using Shopify's **Liquid JavaScript** library which led to a new record of 11,000 sales in 30 minutes
- Developed and deployed an AI customer service chatbot that increased response times by 400 percent using web-hooks and Zapier
- Implemented a **SuiteScript** solution for NetSuite's **REST API** that automated personalized email responses to customer inquiries
- Employed SEO techniques to maximize the site's visibility and search engine placement, ensuring content discoverability for 12 different websites

Planning and Control Systems Design Software Developer — Oct. 2023 - Feb. 2024

EcoCAR UC Davis

- Led the creation of **MATLAB** simulations for the vehicle's longitudinal movement, enhancing super-cruise capabilities through detailed analysis of forces during turning, acceleration, and cruise control
- Applied in-depth knowledge of **MATLAB** and vehicle dynamics to innovate and improve autonomous vehicle control algorithms, ensuring adherence to safety standards and industry regulations

PROJECTS

Bridge — Apr. 2024 – Present

- Leveraged **React Native** to create a social media app for parents and college students
- Used **Firebase** to store photos, messages, and account information between users

Heart Disease Calculator — Apr. 2024 – Jun. 2024

- Developed a **Python Machine Learning** Model to predict the chances of Heart Disease
- Conducted data analysis on 30,000 data points utilizing linear regression techniques to identify significant correlations
- Collaborated with three front-end designers to create a **NextJS** web application displaying the results of the prediction model

Portfolio Website — Apr. 2024 – Aug. 2024

- Crafted a responsive personal website with **NextJS** and **Tailwind CSS**, highlighting my professional portfolio and credentials
- Leveraged **ReactJS's framer** animation libraries to create a fluid user interface
- Integrated a user-friendly content managing system for efficient content updates and active project updates

TECHNICAL SKILLS

Languages: C++, C, JavaScript, Python, Swift, R, Matlab

Tools: Git, Github, React.js, React Native, NextJS, REST API, SuiteScript, HTML, CSS, Tailwind CSS, MongoDB, Flask, SQLite, OpenAI API, Pandas, Figma, Jupyter Lab, Liquid, JSON, jQuery