Mateo Alado

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SKILLS

- **Languages:** C/C++, Python, JavaScript, TypeScript, Go, Java, SQL, HTML, CSS, R
- **Frameworks:** React, Node.js, Tailwind
- **Developer Tools:** Git, Github, AWS, PyTorch, Kubernetes, Supabase, MongoDB, Selenium, Pandas, REST APIS
- **Core CS Concepts:** Software Engineering, DSA, OOP, Multithreading, AI/ML, Mobile Development, Robotics

WORK EXPERIENCE

Open Source Freelance Software Engineer | *Self Employed* - Hayward, CA   August 2024 - Present
- Developer and contributor to **10+ public repositories on CodeTriage and additional personal projects**
- Specializing in projects relating to **Embedded Systems, Application Development, and Machine Learning**
- Contributions achieved during the development of projects resulted in **development time being decreased by ~10%**

Teaching Assistant (CS) | *California State University, East Bay* - Hayward, CA   August 2025 - Present
- Works as a Teaching Assistant that **provides on-site embedded support** for classes of up to **50 students**
- Collaborated with instructors to achieve an ~**20% increase in test scores compared to previous semesters**

BootUp Program Mentor (CS) | *CSU East Bay MESA* - Hayward, CA   August 2025 - Present
- Provides **academic and career focused guidance** and enrichment for a cohort of **4 freshman Computer Science peers**
- Mentorship and support resulted in a **20% increase** in attendance for MESA professional development and networking seminars

PROJECTS AND ADDITIONAL EXPERIENCE

Login Credentials Encryption Utility (Python, Fernet, Symmetric Encryption, JSON, Pandas, Cryptography)
- Implemented a **multi-layered symmetric encryption model** for information storage with **Python and Fernet** to ensure improved safety of local data held on user devices
- **Double encryption** and other safety measures ensure a ~**50% improvement** in **data protection and privacy**

Git Automation Wrapper Tool (C, Bash, Git, Process Control, Embedded Systems)
- Created a automation wrapper in C and Bash for streamlining git commits and repository version control
- Ensures **low level control** over process management that results in over **15% faster performance and execution time**

Java-Based Education App (Java, Socket Programming, UI Design, Software Engineering, Software Architecture)
- Developed a **real-time education application** allowing users to generate and personalize course study materials based on learning style, supporting up to **50+ concurrent users**
- Implemented **sockets for client-side and server side interactions**, **reducing** overall average latency to **1ms**

Personal Website and Portfolio (HTML, CSS, JavaScript, Web Hosting, EmailJS, GitHub)
- Implemented HTML, CSS, and JavaScript to create a **web design** showcasing projects and relevant information
- Integrates the **EmailJS** API and service to **automate email responses** from user contact forms

EDUCATION

California State University, East Bay   December 2026
Bachelor of Science, Computer Science
Dean's Honor List
- **Relevant Coursework:** DSA, Computer Architecture, Operating Systems, Computer Networks, Software Engineering, Web Development, Mobile Programming, Automata and Computation, Linear Algebra, Statistics and Probability for Engineers

Chabot College   June 2024
- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Design, Assembly Language and Organization, UNIX and Linux, Discrete Mathematics