

Mateo Alado

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SKILLS

- **Languages:** C/C++, Python, JavaScript, TypeScript, Go, Java, SQL, HTML, CSS, R
- **Frameworks:** React, Node.js, Tailwind
- **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 **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 **provided 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 **increased academic performance and professional networking** among cohort peers

PROJECTS AND OUTSIDE EXPERIENCE

MYLogin | *Software Engineer* | Hayward, CA (Python, Fernet, Symmetric Encryption, JSON, Pandas)

- Implements **multi-layered symmetric encryption** for user information storage with **Python and Fernet** to ensure total security and privacy from threat actor
- Security measures and design suggests a **50% improvement** in data protection and user privacy

autogit | *Software Engineer* | Hayward, CA (C, Bash, Git, Embedded Systems, Multithreading)

- Developed a **portable automation wrapper** tool for git written in **C and Bash**
- Ensures low level control over process management that results in over **15% faster performance and execution time**

Flashcard101 | *Software Engineer* | Hayward, CA (Java, GUI Design, Software Architecture, Software Development)

- Developed a robust and interactive **Java** application **for students** in creating and reviewing user generated study sets
- Use amongst a class of **24 students** resulted in an **11% overall class grade improvement**

Mateo Alado's Website | *Web Developer* | Hayward, CA (HTML, CSS, JavaScript, Web Hosting, EmailJS, GitHub)

- Created and designed a sleek and responsive **web design** to showcase my projects and relevant contact information
- Integrates **JavaScript** scripts and the **EmailJS** service to automate email response 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, Mobile Programming, Automata and Computation, Linear Algebra, Statistics and Probability for Engineers

Chabot College

June 2024

Associate of Science, Computer Science

- **Relevant Coursework:** Object Oriented Programming, Data Structures and Algorithms, Assembly Language, Computer Organization, UNIX, Discrete Mathematics