

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 **increased academic performance and professional networking** among cohort peers

PROJECTS AND OUTSIDE EXPERIENCE

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

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

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

- Created 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**

CogniStudy | *Software Engineer* | Hayward, CA (**Java, Socket Programming, GUI Design, Software Engineering**)

- Engineered a robust and interactive **Java** application for students in creating and reviewing user generated study sets
- Implemented **sockets for client-side and server side interactions**, reducing overall latency to **~15-20ms**

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 personal projects and relevant contact information
- Integrates **JavaScript** and **EmailJS** 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, 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