

# Mateo Alado

(510) 543-1444 | [aladomateo@gmail.com](mailto:aladomateo@gmail.com) | [LinkedIn](#) | [Website](#) | [GitHub](#)

## SKILLS

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- **Languages:** C/C++, Python, JavaScript, TypeScript, Go, Java, SQL, HTML, CSS, R, Bash
- **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, APIs, Multithreading, AI/ML, Mobile Development

## PROFESSIONAL EXPERIENCE

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### Open Source Freelance Software Engineer

*Self Employed*

August 2024 - Present

- Developed and contributed to **10+ public repositories** on CodeTriage and additional open source personal projects
- **Decreased development time by ~10%** while maintaining collaborative engineering and Agile development practices amongst a team of **20+ professional freelance engineers**

### Teaching Assistant (CS)

*California State University, East Bay*

August 2025 - Present

- Supported and engaged an on-site class of **50 students** in hands-on instruction in Data Structures and Algorithms through supporting lectures and supplemental learning
- Collaborated with instructors to achieve an **~20% increase in test performance compared to previous semesters**

### BootUp Program Mentor (CS)

*CSU East Bay MESA*

August 2025 - Present

- Provided academic and career focused guidance and enrichment for a cohort of **4 freshman computer science peers**
- Achieved a **20% increase** in MESA professional development and networking seminars amongst new undergraduates within the CSU East Bay Computer Science program

## PROJECTS AND ADDITIONAL EXPERIENCE

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### Login Credentials Encryption Utility (Python, Fernet, Symmetric Encryption, JSON, Cryptography)

- Built a **multi-layered symmetric encryption model** with Python and Fernet to ensure improved protection and privacy of local data held on user devices
- **Achieved a ~50% increase** in overall data privacy through doubly encrypted file contents and safety measures

### Git Automation Wrapper Tool (C, Bash, Git, Process Control, Embedded Systems)

- Created an automation wrapper in C and Bash for streamlining Git commits and general repository version control by abstracting Git command patterns
- Provided users **low level control** over process management that resulted in over **15% faster runtime performance**

### Java-Based Education App (Java, Socket Programming, UI Design, Software Engineering, Software Architecture)

- Developed a **real-time education application** supporting up to **50+ concurrent clients** allowing users to generate and personalize course study materials based on learning style and course content
- **Reduced overall average latency to 1ms** by optimizing client-side and server-side interactions

### 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
- Integrated the EmailJS service's **SDK** and **REST API** to **automate user email responses** from contact forms

## EDUCATION

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### California State University, East Bay

December 2026

*Bachelor of Science, Computer Science*

*Dean's Honor List*

- **Relevant Coursework:** Advanced Data Structures, Computer Architecture, Operating Systems, Computer Networks, Software Engineering, Web Development, Mobile Programming, Automata and Computation, Linear Algebra, Statistics and Probability for Engineers

### Chabot College

*Associates of Science, Computer Science*

June 2024

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