

TONYE ABADANI

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SUMMARY

Computer Science student building backend and full-stack projects in C++, Python, and JavaScript. Hands-on experience designing multi-file applications with file persistence, user authentication, and menu-driven interfaces, plus a self-directed Chrome extension built to a working MVP. Seeking a software engineering internship where I can contribute to production code and grow into backend systems work.

EDUCATION

Mt. San Antonio College

Associate of Science, Computer Science

Walnut, CA

Expected 2027

- Relevant coursework: Programming Concepts in C++, Data Structures (in progress), Calculus-track Mathematics, Public Speaking

Riverside City College

Concurrent enrollment - Computer Information Systems

Riverside, CA

Fall 2026

- Coursework: Introduction to SQL (CIS-63), Program Logic Using C++ (CIS-5), Critical Thinking & Composition

TECHNICAL PROJECTS

Exam Session - Chrome Extension

Personal project - in active development

JavaScript, Manifest V3

2026 - Present

- Building a Chrome extension that restricts access to AI assistants and answer sites during academic assessments, taking a prevention-first approach rather than post-hoc detection.
- Shipped a working MVP with domain enforcement via a four-tier declarative Net Request priority system and a versioned blocklist covering AI tools, answer sites, and messaging platforms.
- Scoped a three-mode exam model (closed book, open notes, open book); closed-book and open-book enforcement are implemented, with an instructor allowlist and notes vault in progress.
- Conducting structured user-research interviews with faculty to validate the product before scaling features.

Library Management System

C++

- Developed a multi-file C++ application with Book and Library classes, applying proper header and implementation separation.
- Implemented file-based persistence using a delimited record format so catalog data survives between sessions.
- Handled user input validation and menu-driven navigation across the full catalog workflow.

Banking Application

C++

- Built a menu-driven banking application supporting multiple users with credential storage and login authentication.
- Implemented deposit and withdrawal operations backed by file I/O for persistent account balances.
- Debugged control-flow and state-management issues, including login return handling and pass-by-reference session flags.

EXPERIENCE

Security Officer

Allied Universal

November 2025 - Present

San Bernardino, CA

- Monitor assigned premises and control site access, maintaining a consistent security presence across scheduled shifts.
- Document incidents and daily activity in written reports used by site management and client stakeholders.
- Respond to alarms and irregularities, escalating to the appropriate personnel per established site protocols.

SKILLS

Languages: C++, Python, JavaScript, SQL

Developer Tools: Git, GitHub, GitHub Actions, VS Code, Chrome Extensions (Manifest V3)

Concepts: Object-oriented programming, file I/O and persistence, data structures, REST fundamentals

Productivity: Microsoft Office (Excel, Word, PowerPoint, Outlook)