Tony Li

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EDUCATION BACKGROUND

San Jose State University San Jose, CA
Bachelor of Software Engineering *Aug 2024 – Dec 2026*
Major: Software Engineering GPA: 3.95/4.00
Courses: Object-oriented Design, Computer & Human Interaction, Engineering Report, Engineering Statistics

City College of San Francisco San Francisco, CA
The Dean's Honor List in Fall 2022~2023 *Jan 2022 – May 2024*
Major: Computer Science GPA: 3.96/4.00
Courses: Data Structure & Algorithm in Java, Mathematics

PROFESSIONAL EXPERIENCE

Portfolio Website with Chatbot: Next.js-Based Personal Portfolio *Feb 2025 - Mar 2025*
Azure OpenAI, Next.js, React, JavaScript, Tailwind CSS, API Integration

- Developed a responsive portfolio website using ***Next.js***, ***React***, and ***Tailwind CSS***, showcasing projects, skills, and achievements with an interactive UI.
- Designed and implemented a chatbot powered by ***Azure OpenAI***, allowing visitors to engage in real-time conversations and learn more about professional experiences.
- Optimized website performance and deployed on ***Vercel***, ensuring fast load times, scalability, and cross-device compatibility.

Cashier-UI: Java-Based Cashier & Inventory Management System *Oct 2024 - Dec 2024*
Java, AWT, JSON, OOP, MVC

- Developed a cashier application with a ***GUI*** using ***Java AWT*****,** featuring inventory management, invoice processing, and receipt generation.
- Integrated ***JSON-based*** inventory data storage, enabling real-time product search, stock tracking, and transaction processing.
- Applied ***OOP principles*** and Singleton Design Pattern for session management and followed MVC architecture for scalability.

Crime Analyzer: Binary Search Tree-Based Crime Data Processing System *Nov 2023 - Dec 2023*
Java, Data Structures, Binary Search Tree (BST), OOP, File I/O, CSV Parsing

- Developed a Binary Search Tree (BST)-based system to efficiently store, search, and analyze police reports from large datasets.
- Implemented duplicate-aware Binary Search Tree to optimize crime incident tracking, frequency analysis, and custom search operations.
- Processed and analyzed police report data from CSV files using Java I/O, enabling efficient retrieval and statistical crime trend analysis.
- Designed and optimized tree traversal algorithms to improve search efficiency, data structure testing, and real-time crime analysis.

ADDITIONAL INFORMATION

Skills: AI Fundamentals, Machine Learning, Java & Python (Programming Language), Project Management
Languages: Mandarin (native), English (proficient)