Justin Ly

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EDUCATION

University of California Riverside *December 2024*
- Bachelor of Science, Computer Science W/ Business Applications

Relevant Coursework: Data Structures, Object Oriented Programming, Software Construction, Discrete Mathematics, Machine Learning and Assembly Programming, Design of Operating Systems, Data Analysis, System Analysis and Design, Cybersecurity

PROJECTS

Calorie Tracker – iOS Mobile Application Development |[Github](#)|Swift/UI *January 2025*
- Designed and developed a calorie-tracking iOS application with features like dynamic daily resets, customizable calorie goals, and interactive calendar visualization.
- Integrated Combine for real-time state management, ensuring seamless updates and maintaining data integrity.

Spotify Playlist Manager |[GitHub](#)|Python|Flask, Spotipy API *July 2024*
- Designed a web-based playlist management tool integrating Spotify's Web API, enabling efficient track searching, playlist viewing, and content management.
- Developed and tested the system as a proof of concept for personal use, showcasing advanced API integration and backend development skills.
- Built an AI-driven music recommendation feature to suggest tracks based on user preferences, leveraging machine learning principles.

Amazon Storefront Database Interface |[GitHub](#)|Java *March 2024*
- Developed a backend system for a simulated online storefront using Java and PostgreSQL, managing data for 200 products, 100 users, and 500 orders.
- Automated database setup with SQL scripts and Bash, reducing deployment time and streamlining simulation processes.

Task Scheduler Project |C++| *March 2023*
- Designed a task scheduler with CMake, GoogleTest, and Valgrind, collaborating with a team of 5 using Agile methodologies.
- Successfully delivered a high-quality program that met the project requirements, resulting in a grade of 95%.

PROFESSIONAL EXPERIENCE

Office Associate *June 2021 - September 2021*
Louie Properties Inc |Temple City, CA

- Collaborated with team members to efficiently file and create documents for the leasing and management department.
- Applied problem-solving skills to address and resolve unexpected challenges.
- Demonstrated effective time management skills, ensuring tasks were completed within deadlines.

Junior Sales Consultant *February 2025 - Present*
Get Smarter Solar |Pasadena, CA

- Conduct door-to-door outreach to identify and qualify potential solar panel customers, highlighting savings and benefits.
- Collaborate in weekly team meetings by sharing insights, coordinating schedules, and exchanging best practices, contributing to a high-energy, goal-focused sales environment.

EXTRACURRICULAR ACTIVITIES

Computer Science Club (Pasadena City College) *August 2020 - June 2022*
- Cabinet member, organized and assisted others in hosting events.
- Cooperated with other members to solve ongoing and potential issues.

Programming skills: Python, C++, Java, JavaScript, HTML, Swift

Programming skills: React.js, Node.js, PostgreSQL, Git

Certifications: [AWS Certified Cloud Practitioner](#)