

Jason Li

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Master of Science in Computer Science | Machine Learning & AI

Santa Barbara, CA

Sep 2023 - Jun 2025

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Bachelor of Science in Computer Science | Dean's Honor (Engineering)

Santa Barbara, CA

Sep 2019 - Jun 2023

PROFESSIONAL EXPERIENCE

UCSB COMPUTER SCIENCE

Santa Barbara, CA

Computer Science TA

Sep 2023 - Present

- ❖ Conducted weekly lab sessions and office hours for courses including Object Oriented Programming and Data Structures, mentoring 50+ students per quarter. Also led one-on-one tutoring sessions for struggling students.
- ❖ Designed and graded assignments, projects, and weekly presentation slides with attention to detail, ensuring consistent evaluation and providing constructive feedback to enhance learning outcomes.
- ❖ Collaborated with professors and fellow TAs to improve curriculum delivery and resolve student concerns efficiently.

LPL FINANCIAL

San Diego, CA

Frontend Software Engineer

Jun 2024 - Sep 2024

- ❖ Engineered and deployed new features on the client management web application with HTML, CSS and TypeScript using the Angular framework, enhancing user experience for over 1,000 employees.
- ❖ Enhanced application stability by 30% through comprehensive unit testing using mocked imports in Jest.
- ❖ Supervised a group of 6 interns for the summer capstone project, mentored the team with using GraphQL.
- ❖ Integrated GraphQL APIs into the web application to streamline data fetching, reducing response times by 40% and improving overall performance by allowing a single query to pull data from multiple databases.

CDK GLOBAL

San Jose, CA

Backend Software Engineer

Jun 2022 - Sep 2022

- ❖ Crafted a data generation tool in MongoDB and Python, enhancing QA team's load testing efficiency by 40% through a simulation of realistic dealership data scenarios.
- ❖ Constructed a Python API for efficient large dataset access, cutting data retrieval time and reducing code complexity, resulting in a 25% improvement in data processing efficiency.
- ❖ Trained a first-year intern by providing documentation and helping navigate legacy code.

CDK GLOBAL

San Jose, CA

Full-Stack Software Engineer

Jun 2021 - Sep 2021

- ❖ Designed a Python-based ticket alert system, reducing on-call issue triage time from hours to minutes.
- ❖ Resolved 3 security vulnerabilities in Java forms, enhancing database protection and preventing SQL injection risks.
- ❖ Leveraged pgAdmin and SQL to streamline data retrieval processes, aiding the data science team in analyzing dealership data, which improved data accuracy by 20%.

PROJECTS

THRIFTY!

Milpitas, CA

iOS App Developer

Sep 2024 - Present

- ❖ Designed and deployed a personal budgeting iOS app using Swift and SwiftUI. Integrated Firebase for secure user authentication and real-time data synchronization, ensuring a seamless multi-device experience for 30 daily users.

COURSE CATALOG

Santa Barbara, CA

Team Lead & Programmer

Jan 2023 - Sep 2023

- ❖ Led a group of 10 students in the development of a web application using Node and React hosted on MongoDB, facilitating course discovery and schedule creation for 500+ engineering students.

ADDITIONAL INFORMATION

- ❖ **University Coursework:** Object Oriented Design, Software Development, Discrete Mathematics, Dynamic Programming, Computer Organization and Logic Design, Video Game Design, Signal Processing, Operating Systems, Machine Learning & Artificial Intelligence, Computer Graphics, Computer Vision, ML in Networking, Computational Geometry, Advanced Application Development, Android Application Development, Human Computer Interaction
- ❖ **Technical Skills:** C++, C#, Python, Java, HTML/CSS, SQL, JavaScript, Kotlin, Swift, PostgreSQL, iOS Development
- ❖ **Software and Libraries:** Tensorflow, Angular, Git, React, SpringBoot, Unity, Pytorch, OpenCV, GraphQL, Flask,
- ❖ **Languages:** Fluent in Mandarin Chinese (Bilingual), English