

Jonathan Wong

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EDUCATION

University of Southern California

Master of Science in Computer Science

Bachelor of Science in Computer Science and Business Administration

Los Angeles, CA

Dec 2024

GPA: 4.0

Relevant Coursework: Data Structures, Algorithms, Theory of Computing, Machine Learning, Web Technology, Software Engineering, Enterprise Data Architecture, Artificial Intelligence, Database Systems, Cross-Platform Development

WORK EXPERIENCE

Atlassian

Software Engineering Intern

New York, NY

May 2024-Present

- Charted expansion of Confluence admin announcement banner functionality to standard users using React, Typescript, GraphQL, and Java, resulting in a 2x increase in feature engagement and increased premium upsell revenue by 25%.
- Pioneered a full-stack bulk restore prototype and generated extensive documentation of end-to-end architecture by working across product, designer, and QA to unlock a new class of actions that saves admins 600s/week on average.

Atlassian

Software Engineering Intern

San Francisco, CA

May 2023-August 2023

- Engineered REST API endpoints using Reactive Java and Spring Boot, automating asynchronous AWS S3 and Elasticsearch data recovery; slashed organizational recovery time by 90% and processed 40,000+ daily event streams.
- Deployed and orchestrated scalable and cost-efficient integration with Jira and Confluence to audit log platform for real-time monitoring of system activity using AWS and microservices, achieving a 65% decrease in incident response time.
- Authored 20+ unit and integration tests to resolve tickets, enhancing code quality and documentation standards.

Pearson

Data Analyst Intern

Los Angeles, CA

May 2022-May 2023

- Revamped data reporting infrastructure and KPI tracking by creating innovative solutions using Google Analytics, Tableau, SQL, and Snowflake; resulting in an increase in filter and event tracking efficiency by approximately 120%.
- Crafted data-driven recommendations for management team using data visualization tools monitoring revenue trends, patterns, and predictions; built 3 dashboards with 5+ new measures, resulting in a 40% increase in accessible client data.

HackSC

Software Engineer

Los Angeles, CA

January 2021-February 2023

- Orchestrated end-to-end product lifecycle management by liaising with UI/UX designers and software developers; leveraged React.js, Node.js, Java, and JavaScript to enhance webpage functionalities and a 20% accelerated time-to-market.
- Directed DevOps across 5 cross-functional organizer teams to construct and maintain internal technology infrastructure for 6 key platforms and services including an organizer portal and the hack.sc website; served 1600+ participants.

PROJECTS

Automated Voice Dispatcher

- Optimized a real-time Automated Voice Dispatcher for the Los Angeles County Fire Department using Python, SQL, and IBM Watson for voice synthesis, directly contributing to a 66% increase in call center capacity.
- Oversaw Agile development cycle incorporating continuous feedback from stakeholders and generating technical documentation for hardware integration, resulting in 20% increase in stakeholder satisfaction and 15% enhancement in operational efficiency.

Flushr

- Published a full-stack web application using MySQL for relational databases, Google Maps API, and Google Sign-In API; HTML/CSS and JavaScript for frontend development, Java for backend, and AWS EC2 for deployment and hosting.
- Coordinated with a team of 5 other developers to code, pitch, and scale application, generating 300+ logins.

Brief – CalHacks Submission

- Participated in 48-hour hackathon focused on building the next generation of innovative and ethical artificial intelligence.
- Developed Google Chrome extension which condenses news websites leveraging Python, JavaScript, Flask, OpenAI API, and RESTful API endpoints, allowing seamless processing of summarized news article content with response time of 500ms.

SKILLS

Programming Languages: Java, Python, C++, JavaScript, Typescript, Dart, SQL, HTML, CSS

Frameworks and Libraries: RxJava, Spring, Flutter, GraphQL, RESTful APIs, AngularJS, React.js, Node.js, sklearn

Developer Tools: Git, Jira, Amazon Web Services, Microservices, Figma, Maven, Postman, Docker, Launchdarkly