

Jonathan Chen

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EDUCATION

University of California, Irvine

BS, Computer Science (3.98 GPA)

June. 2024

Irvine, CA

WORK EXPERIENCE

University of California, Irvine

Learning Assistant (ICS 32)

Jan. 2024 - Present

Irvine, CA

- Connect lectures with object-oriented programming concepts taught in prior courses
- Host regular office hours to reinforce key topics and provide review sessions for exams
- Facilitate an active learning environment by opening up discussions among groups of students

Expedia Group

Software Development Engineer Intern

June. 2023 – Sept. 2023

Seattle, WA

- Tracked project progress and set goal-oriented milestones with Jira tickets
- Optimized infrastructure to improve data transfer for property managers overseeing tens of thousands of properties
- Enhanced functionalities of GraphQL endpoints for Partner Central service, which manage a daily influx of over a million requests, through the use of Kotlin and gRPC to establish connections with proprietary databases

University of California, Irvine

Lab Tutor (ICS 31 + ICS 51)

Sept. 2021 – Mar. 2022

Irvine, CA

- Assisted over 20 students of varying skill levels with understanding Python and machine-level concepts
- Provided personalized guidance to students by assisting them with their 4-year plans and academic aspirations

PROJECTS

Psyche Capstone, Unity2D, C#

- Executed a creative vision for a web-based game that included 4 unique mini-games
- Designed a mini-game that achieved an average rating of 4.6 out of 5
- Architected system model using UML diagrams to visualize components within the project
- Participated in Agile development by maintaining Trello tasks and burndown charts over 2 week sprints

Fabflix, HTML, CSS, JavaScript, Java, MySQL

- Created a full-stack movie listing application for both web and Android platforms
- Built an ETL pipeline to transfer data from XML files to MySQL databases, reducing data processing errors by almost 18% by the final iteration
- Deployed Apache Tomcat servers on AWS EC2 instances and decreased average query time by about 30% using connection pooling and load balancing

CERTIFICATIONS

CompTIA Security+, CompTIA

April, 2022