

Nathan Mendoza

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🐙 nathancmendoza

Education

University of California, Irvine

September 2019 – June 2023

B.S. Software Engineering

CGPA: 3.841 out of 4.0

Related Coursework:

- Programming: Python, Java, C/C++, Concepts in Programming Languages 1 & 2
- Web Applications: Internet Apps Engineering, User Interaction Software, Data Management
- Data Structures and Algorithms: Discrete Math, Implementation, Design and Analysis, Project Course
- Computer Systems: Computer Organization, Computer Networks, Operating Systems
- Software Engineering: Requirements Engineering, Software Design, Software Testing, Writing in Information Technology

Work Experience

Coding Minds LLC.

September 2022 – June 2023

Instructor

- Utilized a prescribed curriculum to introduce programming to K-12 students.
- Adapted lessons and activities to keep 1 or more students engaged with programming.
- Fostered continued interest in several subjects leading to retention of students.

Box Inc.

June 2022 – September 2022

Software Engineering Intern

- Learned about practices and tools of software development by collaborating with experienced employees.
- Initiated development of a new database grant management system with the promise of better security and reliability.
- Consolidated more than 200 over-specific database roles into a reusable set of 10 with an adaptable specification format.

University of California, Irvine

September 2020 – June 2022

I&CS Lab Tutor

- Guided students through coursework in lower division classes.
- Explored possible solutions and explained unclear concepts to students.
- Reduced the number of students seeking help for their classes by 50%.

Projects

Tile Matching Game Environment

January 2023 – March 2023

- Incorporated established design principles and patterns into code base.
- Abstracted library complexity with a flexible and extensible interface.
- Demonstrated the feasibility of library with 2 sample games.

Slice of Life

September 2022 – December 2022

- Separated the presentation and business logic of a complex web application.
- Streamlined the integration, testing, and deployment of changes.
- Developed an understanding of API architecture styles, cloud infrastructure, and CI/CD practices.

Achievements

AP Scholar with Distinction

July 2019

Criteria:

- Achieve a score of 3 or more on at least 5 AP exams.
- Maintain an average score of 3.5 across all AP exams taken.

Student of the Year (Mathematics)

May 2019

Criteria:

- Demonstrate academic excellence above all other students in mathematics.
- Be nominated by a teacher and have the approval of department and school administration.