

Olivia Joy Cacadac

Student at San Jose State University

Profile

As a computer science student, I have strong interests in full-stack development for web and desktop applications. I am proficient in several programming languages including Java, C++, C, and I have project experience working with SQL and noSQL databases.

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Projects

DevMate

Contributed to various phases of the software development cycle in a team of 3 to develop a Java desktop application which assists developers in documenting bugs and enhancements for their own projects.

- Collaborated in a team of three with clear and effective communication, resulting in successful project outcomes.
- Developed back-end logic for the saving and editing features in the application, ensuring persisted information in an SQLite database.
- Implemented the singleton design pattern for database connection.
- Designed an interactive and user-friendly graphical interface using JavaFX and SceneBuilder for front-end development.

[Link to Project](#)

Designing a Database

Designed and implemented a MySQL database to improve data organization, for use in a full-stack web application.

- Collaborated in a team of three using strong communication to participate in all aspects of the database life cycle, while quickly adapting to meet new deadlines.
- Performed normalization on tables and SQL queries to join tables into views for the web application.
- Composed a formal and detailed report on the project.

[Link to Project](#)

Work Experience

Instructional Student Assistant (Grader)

San Jose State University

Jan 2023 - May 2023

Job summary:

- Graded 9 Data Structures & Algorithms (CS 146) homework assignments in a timely manner for 30+ undergraduate students over the course of a semester.
- Analyzed and tested Java programs written by students.
- Provided positive and constructive feedback on student work to encourage learning and to support their understanding of the material.

Education

San Jose State University - San Jose

B.S. Computer Science, 2025

Minor in Digital Media Art

Relevant Coursework:

- Java Programming
- Object-Oriented Design
- Data Structures & Algorithms
- Server-side Web Programming
- Introduction to Database Management Systems