

David Joves

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EDUCATION

University of California, Irvine

Bachelor of Science in Computer Science

Irvine, CA

August 2023 - May 2025

San Diego Miramar College

Associate's in Computer Science, Associate's in Mathematics — GPA : 3.77/4.00

San Diego, CA

August 2021 - May 2023

EXPERIENCE

Volunteer Tutoring

San Diego Mesa College

San Diego, CA

March 2022 - December 2022

- Organized and led complimentary tutoring and study sessions on a weekly basis for fellow students in computer science, math, and physics courses.
- Hosted educational sessions on **JUnit** testing and **Git** version control.
- Mentored students in the development of object-oriented programming projects in **C++**, **Java**, and **Python**.
- Elevated midterm and final exam averages by approximately **7-10 percent**.

Material Coordinator 1

Illumina, Inc.

San Diego, CA

August 2021 - January 2022

- Collaborated with project managers to oversee inventory levels, deliveries, and storage space in multiple laboratory units and warehouse.
- Utilized **PostgreSQL** for efficient inventory management and streamlined order processing.
- Employed **Jira** and **Kanban boards** to ensure accurate product ordering, on-time delivery, and proper storage in alignment with project manager requirements.

PROJECTS

2D Collision Simulator | *Java, GitLab*

August 2022 - December 2022

- Led a team in building an interactive GUI emulating a 2D space, enabling users to create and observe dynamic object collisions.
- Enforced the **Software Development Life Cycle (SDLC)** methodology, ensuring effective project management and high-quality outcomes.
- Produced clear and concise **API documentation** for multiple project components, enhancing team collaboration and understanding.
- Orchestrated project advancement and version control using **GitLab**, fostering improved teamwork and project visibility.

Binary Search Tree | *C++, C*

March 2023 - April 2023

- Developed a custom tree structure with recursive algorithms for node operations, including search, leaf counting, and tree analysis using **Depth-First Search**.

Restaurant Raffle | *C++, C*

April 2023 - May 2023

- Designed and implemented a console-based **Object-Oriented Programming (OOP)** system featuring recursive algorithms and a custom queue to efficiently manage a distinctive raffle customer queue.

RELEVANT COURSEWORK

Object-Oriented Programming (OOP): Java Programming, C/C++ Programming, Python Programming, Python Programming with Libraries

Data Structures and Algorithms: Java Intermediate Programming, Data Structures in C++, Discrete Mathematics for Computer Science, Data Structure Implementation and Analysis

TECHNICAL SKILLS

Languages: C++, C, Java, Python, R, HTML, CSS, JavaScript, PostgreSQL

Developer Tools: Git, GitHub, GitLab, JUnit, Catch2, CMake, JIRA, Confluence, Visual Studio, Visual Studio Code, IntelliJ, Eclipse