

# Ryan J. Dewey

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## EDUCATION

### Saddleback College

Associate Degree in Computer Science

- 4.00 GPA

### San Clemente High School

- 4.76/4.00 GPA
- Rank Decile 1

Mission Viejo, California

Expected Graduation, May 2025

Expected Transfer to 4-year University, Fall 2025

San Clemente, California

Aug 2019 - June 2023

## EXPERIENCE

### LEAP Web Development Project

Founder and President

- Started a new web development program at Saddleback College that helps local non-profit organizations build and maintain their websites.

Mission Viejo, California

May 2024 – Present

### DREAM Machine Learning Research Project

Researcher

- My group and I will work in tandem with professors and mentors from UC Irvine to utilize machine learning to analyze a large data set on many topics.
- At the end of this research process, my group and other groups studying other topics will work together to write an academic paper about our findings.

Mission Viejo, California

Apr 2024 – Present

### Freelance Tutoring

Math Tutor

- I assisted middle school, high school, and college students with math topics from Algebra 1 to Calculus

San Clemente, California

Mar 2024 – Present

### City of San Clemente

Pool Lifeguard

- As a Pool Lifeguard, my responsibilities included keeping patrons safe and maintaining the pool and pool deck.

San Clemente, California

June 2022 – Mar 2024

## PROJECTS

### SC Robotics Aries Rover Autonomy

- As part of the SC Robotics Team I worked on multiple programs in Python using the ROS2 framework that were part of the autonomous navigation of the rover. Programs included utilizing computer vision models and spatial odometry.
- Our team's Rover won 17th place in the 2024 University Rover Challenge, beating out over 100 other 4 year universities like Stanford, UC Berkeley, Princeton, and Cornell.

### Fortnite Creative Maps, Game Development

- Created several Fortnite Creative Maps using the Unreal Editor for Fortnite and the Verse programming language. The maps have garnered over 5,000 unique players and over 1,000 hours of active playtime.

### Venture, Cross Platform Mobile App

- Currently leading a team of peers to build a cross-platform mobile app using React Native, Express.js, and PostgreSQL. The app utilizes Google's Gemini AI API to aid in its functionality.

### Chess Game in C++ and SFML

- Used C++ and the SFML library to create a fully functional single-player Chess game.

## ACTIVITIES AND LEADERSHIP

### SC Robotics Team

Programming Team Member

Saddleback College

Apr 2024 – Present

### Computer Science Club S.A.M.E

Treasurer/Board Member

Saddleback College

Sep 2023 – Present

## SKILLS

**Programming:** C++, Python, Java, JavaScript, HTML, CSS, React Native, Expo, React, Node.js, Express.js, Verse, ROS2, Redux

**Tools:** VSCode, CLion, Visual Studio, PyCharm, IntelliJ Idea, XCode, Vim, Git, GitHub, Linux, Auth0, PostgreSQL, Docker, MacOS, Windows, ChatGPT, GPT4, Copilot, Perplexity, Claude.ai

**Soft Skills:** Strong communication, problem-solving abilities, collaborative, time management skills, leadership skills, adaptability, attention to detail, active listening, creative, and presentation skills