

DAVID SOLANO

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EDUCATION

California State University, Fullerton

Bachelor of Arts in Computer Science, Minor in Economics

GPA: 3.93

Graduation Date: May 2025

EXPERIENCE

Computer Science Supplemental Instructor

California State University, Fullerton

June 2023 – Present

Fullerton, CA

- Develop comprehensive study materials and interactive presentations to simplify complex C++ concepts, resulting in a 10% increase in student comprehension and grades.
- Utilize innovative teaching techniques such as hands-on coding exercises and group discussions to foster active learning and student engagement.

PROJECTS

Path Find | *React, Typescript, Next.js, TailwindCSS, CSS, HTML, DaisyUI*

July 2023 – Present

- Collaborated with a peer to program and successfully create a highly efficient implementation of Dijkstra's algorithm within the visualizer.
- Enhanced the performance of the visualizer by optimizing code structure and implementing efficient data structures, resulting in a 50% reduction in loading time for large graph simulations.

Weather App | *OpenWeather API, JavaScript, HTML, CSS, Git*

Dec 2022 - Jan 2023

- Utilized the OpenWeather API to parse real-time weather data into a user-friendly readable format, providing accurate weather information to users with an average accuracy rate of 99%.
- Constructed a visually appealing and responsive application using HTML, CSS, and JS, resulting in an enhanced user experience.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Software Engineering Career Prep Fellow

Management Leadership for Tomorrow

Dec 2023 – Present

Remote

- Collaborate with experienced coaches to create innovative methodologies for career development, resulting in an improvement in skill acquisition and knowledge retention.
- Attend a series of seminars featuring skill-building workshops, case studies, industry panels, and networking sessions, in order to gain insights and skills to secure high-trajectory internships and jobs.

Organization President

Association for Computing Machinery, CSUF

May 2023 – Present

Fullerton, CA

- Organize and execute 50+ meetings and events for a community of 1,950+ members, resulting in over a 40% increase in attendance and engagement from previous years.
- Collaborate with board officers to launch an annual hackathon event, attracting over 120 participants and generating \$5000+ in sponsorship revenue.

International Collegiate Programming Contest Lead

California State University, Fullerton

May 2023 – Present

Fullerton, CA

- Led practice workshops for a team of over 40 individuals, improving their algorithmic problem-solving skills.
- Implemented innovative training methods, including hands-on coding exercises, mock competitions, and team-bonding events.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, Typescript, HTML/CSS, Java, Golang, Intel x86-64 ISA

Frameworks: React, Svelte, Node.js, Flask

Developer Tools/Technology: Git, Shell, GDB, VS Code, Visual Studio, PyCharm

Libraries: pandas, NumPy