

DAVID SOLANO

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EDUCATION

California State University, Fullerton

GPA: 3.93

Bachelor of Arts in Computer Science, Minor in Economics

Graduation Date: May 2025

Relevant Course Work: Software Engineering, Object Oriented Programs, Algorithm Engineering

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

EXPERIENCE

Incoming NatSec Software Development Engineer Intern

May 2024 – Aug 2024

Amazon Web Services

Arlington, VA

Computer Science Supplemental Instructor

June 2023 – Present

California State University, Fullerton

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*

- 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*

- 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 web application using HTML5, CSS, and JavaScript, resulting in an enhanced user experience.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Software Engineering Career Prep Fellow

Dec 2023 – Present

Management Leadership for Tomorrow

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

May 2023 – Present

Association for Computing Machinery, CSUF

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

May 2023 – Present

California State University, Fullerton

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.