

Soheil Douzandeh

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Education

California State University, Fullerton

Expected June, 2026

Bachelor of Science, Computer Science

Coursework: Data Structures, Object-Oriented Programming, Software Architecture, Foundations of SWE, Computer Organization & Assembly Language, Android Dev

Skills

Programming languages

Python, C++, JavaScript HTML, CSS, Kotlin

Frameworks & Tools

Firebase, TensorFlow, OpenCV, Pandas, NumPy, Jupyter Notebook

Professional Experience

Autonomy Team Member, California State University, Fullerton

2024 – present

- Designed data pipelines to process & analyze sensor input, improving rover decision-making by 20%.
- Applied ML (TensorFlow, OpenCV) for object detection & navigation, increasing autonomy efficiency.
- Developed ROS-based robotic navigation algorithms for real-time adaptability.

Fullerton, CA

Research Assistant, California State University, Fullerton

2024 – 2025

- Built ML models in Python for clustering, regression, classification on large datasets.
- Automated pipelines in Jupyter, improving model training efficiency by 30%.
- Conducted EDA to extract insights, reducing processing time by 25%.

Fullerton, CA

Technical Support Specialist, SkyBell Technologies Inc.

2021 – 2024

- Resolved 90% of customer issues in one interaction (500+ clients).
- Configured port forwarding & static IPs to optimize IoT performance.
- Authored documentation that reduced troubleshooting time by 40%.

Irvine, CA

Projects

Automated Sound Detection and Environmental Monitoring System

2025 – present

- Created a Raspberry Pi-based IoT solution using MQTT for environmental monitoring.
- Improved detection reliability by 15% and reduced latency by 25%.

Real-Time Online Chat Application

2024 – 2025

- Built Firebase-powered chat app using JavaScript, HTML & CSS for public/private rooms.
- Enabled <2s message delivery, media sharing, user avatars, and live chat updates.

Student Government Election Results System – C++ OOP

2023 – 2024

- Developed C++ system using class inheritance & linked lists to manage multi-campus votes.
- Handled input from text files to auto-create dynamic candidates with vote logic.