Destiny Nunez Parra

Software Engineer | Full-Stack Developer | Embedded Systems
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Technical Skills

Languages: Python, C++, Dart, C, Java, SQL, Golang, Swift, HTML, CSS, JavaScript
Frameworks & Tools: Next.js, Flask, JUnit, LangChain, Gin, Flutter, Git, Jira, OpenAI API, SolidWorks, AutoCAD

Education

University of California, Irvine Graduated December 2024
Bachelor of Science, Computer Science *Irvine, CA*

- Awards: Dean's Honors List, Edison STEM Transfer Scholarship, UCI-OC Alliance Scholarship
- Relevant Coursework: Information Retrieval, Data Structures and Algorithms, Operating Systems, Software Testing, Data Management, Machine Learning & Data Mining, Networks

Santa Ana College Expected June 2026
Associate of Science, Engineering (In Progress) *Santa Ana, CA*

- Broadening interdisciplinary skill set with engineering coursework to complement Computer Science background, in preparation for graduate studies.

Experience

Instructional Assistant September 2025 – Present
Rancho Santiago Canyon College District *Santa Ana, CA*

- Tutored students in Python, C++, and Data Structures across multiple computer science courses
- Guided students through debugging, algorithm design, recursion, and object-oriented programming concepts

Software Engineer Intern April 2024 – January 2025
Darwins *Irvine, CA*

- Introduced an AI-powered feature to address user concerns about the lengthy challenge creation process, automating workflows, and reducing manual workload by 90%
- Deployed microservices using Golang Gin framework, improving API performance across multiple endpoints
- Actively contributed to Agile sprints, participating in weekly stand-ups, sprint planning, and retrospectives to align efforts with evolving product goals

NSF REU Summer Researcher June 2021 – August 2021
Boston University *Boston, MA*

- Refined image analysis software (Sarc-Graph) for heart cell research, enhancing computational efficiency
- Authored Jupyter Notebook guide, reducing researcher onboarding time by 50%

Projects

SignEase - ASL Recognition Glove

- Built a smart glove using an ESP32 and five flex sensors, capturing and translating finger movements into ASL phrases with 70% real-time accuracy
- Designed and developed a Flutter mobile app to display real-time translations, optimizing for accessibility, responsiveness, and ease of use
- Decreased error rate by 80% by refining resistor values, applying software filtering, and enforcing thresholds, significantly improving ASL recognition

CNC Machine Build

- Designed and built a functional desktop CNC machine using NEMA 17 stepper motors, GT2 belt drive, MGN12 linear rail, linear bearings, and chromed steel guide rods, applying mechanical design principles for smooth motion and rigidity
- Integrated TMC2208 drivers, Arduino + CNC Shield, limit switches, and cooling fan into a functional electromechanical motion system

ZotSpot - UCI Period Product Map

- Implemented real-time walking route and distance calculations using Leaflet geolocation and achieved 95% accuracy in walking time estimates
- Designed a responsive UI using HTML/CSS and JavaScript, ensuring cross-device usability and accessibility