Destiny Parra

Software Engineer | Full-Stack Developer | Embedded-Systems Enthusiast
714-787-7575 | destinynunezparra@gmail.com | linkedin.com/in/destiny-nunez-parra | github.com/destinyparra

Technical Skills

Languages: Python, Dart, C++, C, Java, SQL, Golang, Swift, HTML, CSS, JavaScript, TypeScript
Frameworks: Next.js, Flask, JUnit, Langchain, Gin, Flutter, Tailwind, HealthKit
Libraries: Leaflet, React, TensorFlow, pandas, NumPy, Matplotlib

Experience

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%
- Engineered OpenAI API prompts, improving output relevance, reducing hallucinations, and increasing user satisfaction by 45%; cut latency by 67% and boosted accuracy by 25%
- Deployed microservices using Golang and Gin framework, improving API performance across multiple endpoints

Document Control Intern June 2023 – August 2023
Avid Bioservices *Tustin, CA*
- Revamped document system, accelerating access to 5,000+ records and improving retrieval speed
- Automated document retrieval using Excel functions and custom scripts, improving lookup efficiency by 90%

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 | *Python, Flutter, Dart, Arduino C++*
- 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 implemented a mobile application to display translated text and binary states with a user-friendly interface
- Decreased error rate sixfold by refining resistor values, applying software filtering, and enforcing thresholds, significantly improving ASL recognition

Wompuh - iOS Health App | *Swift, HealthKit*
- Integrated iOS HealthKit data to calculate individualized daily water and calorie requirements
- Enhanced water intake tracking by replacing a static average model with a personalized calculation based on gender and weight, increasing hydration goal accuracy by 25-50%
- Led the design and implementation of a targeted workout recommendation system, optimizing fitness routines by providing personalized recommendations from a database of over 1,000 exercises

ZotSpot - UCI Period Product Map | *JavaScript, Leaflet.js, SQLite, HTML/CSS*
- Developed a web application mapping 50+ UCI restrooms with free period products, improving accessibility for over 100 students during launch weekend
- Implemented real-time walking route and distance calculations using Leaflet geolocation, helping 10+ testers find the nearest stocked restroom in 30 seconds on average, up to 5x faster than manual searching; achieved 95% accuracy in walking time estimates
- Achieved near-instant (<50ms) restroom data retrieval using SQLite for fast local querying
- Designed a responsive UI using HTML/CSS and JavaScript, ensuring cross-device usability and accessibility

Education

University of California, Irvine December 2024
Bachelor of Science in 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