Destiny Nunez Parra

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EDUCATION

University of California, Irvine December 2024
Bachelor of 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

EXPERIENCE

Darwins April 2024 – January 2025
Software Engineer / Software Engineer Intern *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%
- Diagnosed and resolved critical bugs, leveraging debugging skills and Jira for issue tracking to improve stability
- Optimized AI models, reducing API call latency from 30s to 10s (67% reduction) while improving accuracy by 20-25%

Avid Bioservices June 2023 – August 2023
Document Control Intern *Tustin, CA*

- Spearheaded a document management system revamp, accelerating access to 5000+ records and boosting efficiency
- Automated document retrieval using Excel functions and custom scripts, improving lookup efficiency by 90%

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

ASL Recognition Glove | *Python, Flutter/Dart, Arduino C++*

- Designed and implemented a mobile application to display translated text and binary states with a user-friendly interface
- Built a smart glove using an ESP32 and five flex sensors, capturing and translating finger movements into ASL phrases with 70% real-time accuracy
- Decreased error rate sixfold by refining resistor values, applying software filtering, and enforcing thresholds, significantly improving ASL recognition

iOS Health App | *Swift*

- Integrated iOS HealthKit data (height, weight, gender, and steps) 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

Web Crawler and Search Engine | *Python, HTML, JavaScript*

- Constructed a Flask-based web interface with interactive search functionalities, improving accessibility for 55,000+ indexed documents
- Optimized search engine query processing by implementing stop-word removal, stemming, lemmatization, and punctuation filtering, reducing average query execution time by 36% (300ms $\rightarrow$ 190ms)
- Created the main application for the web interface using Python, HTML, CSS, and Flask, enhancing user experience for query input and search results

TECHNICAL SKILLS

Languages: Python, Dart, C++, C, Java, SQL, Go, Swift, HTML, CSS, JavaScript

Frameworks & Tools: Flutter, LangChain, Flask, Git, Jira, Trello, Figma, Rive, JUnit

Libraries: Pandas, NumPy, Scikit-learn, matplotlib