

Angel J. Haro

U.S. Citizen

Confidential Clearance

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Los Angeles, California

Technical Skills

- **Languages:** Shell(Script Automation, Unix-based Scripting, YAML, TOML), Java(Spring-Boot, Spring-Security, Maven, LittleDarwin), Python(Django, Pip3, TensorFlow, Pandas, Seaborn, NumPy, Matplotlib, Jupyter Notebook), JavaScript & TypeScript (ReactJs, NextJs, TailwindCSS, Bootstrap, Framer-Motion)
- **Development Tools:** Databases (MySQL, PostgreSQL, Cassandra), API Tools (Postman, Httpie), Package Managers (Maven, Pip3, Npm, Poetry, Homebrew), tools (Vim, VSCode, Git, VirtualBox, Parallels)

Education

B.A. Computer Science, *California State University, Dominguez Hills*

Expected: DEC 2023

GPA: 3.3

Relevant Coursework: Core Computer Science (Data Structures & Algorithms), Design Patterns (MVC, Repository, RestAPI)

Experience

- 🇺🇸 **Research Development Software Engineer**, *Google exploreCSR* Mentor: Dr.Tang Jan 2023 - Present
Los Angeles, California
 - Developed a modern and secure website, ensuring intuitive navigation and a consistent interface across 70% of device types, by leveraging responsive design practices and robust content management systems.
 - Optimized website performance and doubled responsiveness for user requests by deploying prioritized loading for key page elements.
- 🇺🇸 **Software Development Engineer in Test (SDET)**, *Local Research Experiences for Undergraduates* Mentor: Dr.Ayad Feb 2023 – Oct 2023
Union, New Jersey (remote)
 - Amplified code quality analysis by integrating Java benchmarks into Maven for mutation testing, analyzing over 10,000 lines of code with Python, and streamlining results into Excel for strategic review.
 - Secured second place in a field of 160 at the GMIS Competition by conducting a mutation testing research study that enhanced software testing methodologies, using the LittleDarwin framework.
- 🇺🇸 **Software Engineer Intern**, *Turner Fairbank Highway Research Center* May 2023 - Aug 2023
McLean, Virginia
 - Authored user guides and technical documentation that improved Cooperative Driving Automation testing accuracy by automating processes and reducing simulation errors, facilitating smoother integrations for OpenPilot systems.
 - Resolved critical software configuration issues in multiple systems, achieving a 12% reduction in integration errors and enhancing the reliability of federal vehicle tests.
 - Improved federal multimedia content quality by 7%, measured by compliance with video standards, through the optimization of a machine learning algorithm (Netflix's VMAF).
- 🇺🇸 **Lead Computer Science Scholar**, *CSUDH Coding Club* Aug 2021 - Sept 2023
Los Angeles, California
 - Drove the expansion of the computer science program from 3 to 13 schools, translating to a 433% increase in institution participation, by partnering with LAUSD and Apple to design and implement collaborative initiatives.

Project

- 📁 **Open Source Portfolio** | NextJs, TailwindCSS, Spring(Boot,Security) Httpie, MySQL github.com/aharoJ/portfolio
 - Developed and designed a portfolio website with integrated full-stack features, including an easy-to-use theme switcher for light and dark modes and a multi-page layout that enhances content discoverability and visitor navigation experience.
 - Secured a content management system, enhancing data management with MySQL and bolstering user security with Spring Security to prevent unauthorized access.
- 🐦 **Twitter Redesign** | TypeScript, ReactJs, Spring, Postman, PostgreSQL github.com/aharoJ/twitter-redesign
 - Redesigned Twitter platform's user interface to improve interaction and aesthetics. Emphasized performance tuning and responsive design to provide a great and interactive user experience across different devices.
 - Boosted server response times by refining the application code and utilizing Spring Boot's features to enhance the operation and efficiency of our web services.