

# Angel J. Haro

Confidential Clearance

Los Angeles, California

(562) 556 - 4540

<https://aharoj.io>

<https://linkedin.com/in/aharoj>

[haro.j.angel@gmail.com](mailto:haro.j.angel@gmail.com)

## Education

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

Expected: DEC 2023

GPA: 3.3

## Technical Skills





### Languages

- **Java:** Spring Boot, Spring Security, Maven, Pitest
- **Bash:** Unix, Automation, YAML, TOML, Dot-Config
- **Python:** Django, Flask, TensorFlow
- **JavaScript / TypeScript:** ReactJs, NextJs, TailwindCSS



### Software and Tools

- **Database:** MySQL, PostgreSQL, Cassandra
- **Data Science:** Pandas, Seaborn, NumPy
- **Operating Systems:** Mac, Windows, Ubuntu, Kali Linux

## Experience

-  **Research Development Software Engineer**,  
*Google exploreCSR* Jan 2023 - Dec 2023  
*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* 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.

## Projects

-  **Open Source Portfolio** | NextJs, TailwindCSS, Spring(Boot,Security), PostgreSQL <https://aharoj.io>
  - 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, PostgreSQL [github.com/aharoJ/twitter-redesign](https://github.com/aharoJ/twitter-redesign)
-  **Tmux Config** | Vim, Bash, Fish, Zsh [github.com/aharoJ/tmux-config](https://github.com/aharoJ/tmux-config)

## Relevant Coursework

- Introduction to Computer Science and Programming I, Introduction to Computer Science and Programming II, IOS Programming, Software Development, Assembly and Introduction to Computer Organization, Discrete Structures, Applied Data Structures, Careers in Tech, Data Structures, Computer Organization, Machine Learning, Analysis of Algorithms, Programming Languages