

# Angel Haro



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Location: Los Angeles, CA

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## My Portfolio

<https://aharoj.io/>

→ Tech Stack:

jsx, tsx, nextjs, motion-framer, tailwindcss, react icons, routing for pages, custom hooks for light-dark mode.

## Education

california state university, dominguez hills

major: computer science

expected graduation: december 2023

gpa: 3.27 major: 3.691



## Relavant Experience

Apple Teacher > date: aug. 2021 to present > Los Angeles, CA

- Developed interactive Swift programming presentations with accompanying exercises, activities, projects, and initiatives for students at institutions w/out programming courses.
- Maintained a trusting environment where students felt encouraged to participate, ask questions and receive individual attention to ellectively learn to program.
- Engaged in public speaking to educate schools about a diverse range of computer science topics such as, hacking, linux distro's, machine-learning, web dev, and dsa.

## Research

[Google Research](#) |→ date: dec. 2022 to may. 2023 advisor: Dr.Tang

- As a participant in the Google ExploreCSR program, I am gaining expertise in a diverse range of computer science topics.
- Such as Python, Machine-Learning libraries, data manipulation and visualization. Web development using Javascript, cli, html/css, and React, Nextjs.

LREU && CAHSI |→ date: jan. 2023 to may 2023 advisor: Dr.Ayid

- Utilized Java benchmark and Maven projects in experiments; Pitest to generate mutations, write Python scripts to find LOC per function of the program.
- Conduct research to investigate the correlation between mutant score and the size of functions and mutant operators, and measure the effectiveness of test suites.

## Projects | Contributions

opensource



- A collection of documentation, code, google csr, lreu for new jersey, projects, and resources for Computer Science enthusiasts available on GitHub.
- active contributions: Starship, Alacritty, Vivaldi, Nvim/vim, Tmux, Obsidian and more.

machine learning



- Comprehensive set of over 8,000 lines of markdown notes on just machine learning, modules, libraries, techniques along with an enourmouse code repository.
- real world projects: home value prediction, and a capstone project.

apple - redesign



- Apple front-end focused full-stack redesign using Typescript, Jsx, Tailwindcss, NextJs, Redux, Sanity, Stripe Studio and more...

twitter-app



- Full-stack Twitter App using Java and Javascript, Spring-Boot, Spring-Security, PostgreSQL, Authentication, Dbeaver, React, Tailwindcss and more...

## Aspiration

[view portfolio](#)

I plan to pursue a PhD in computer science and become a professor where I can share my knowledge and passion for technology with future generations. I am committed to life long learning and embody Albert Einsteins words: Wisdom is not a product of schooling but of the lifelong attempt to acquire it.

## Software Developer

### Architectural Background

database: mysql, cql (cassandra), mongodb, postgresql

cloud: aws, google cloud

architectural patterns: mode-view-controllec, microservices

design pattern: repository, singleton, factory

### Developer Tools

editor | ide: vscode, vim, sublime, eclipse, jetbrain-toolbox

framework/libss: spring-boot, django, flask, tensorflow, maven, oauth, react, nextjs, tailwindcss tools: nvim/vim, starship, git, exa, obsidian, z flameshot, keycastr, rectangle, tmux, sponge, raycast

### Infrastructure

standard os: mac, windows

linux distro: ubuntu - kali - arch

devops tools: tmux, slack, tom, virtualbox, parallels, git-control, bash, zsh, alacritty, npm, npx, pip3, fish-shell, homebrew

### Machine Learning

libraries: pandas, seaborn, numpy, matplot

techniques: classification, unsupervised learning, hypothesis function, vectorization and regression

### Algorithm Awarness

data structures & algorithms: hashmaps, stacks, sorting matrix, binary trees,two pointers, linked list, breadth first search, graphs depth first search, greedy algorithm, dynamic programming, divide and conquer, backtracking, binary search

### Languages

shell-scripting



java



python



toml



typescript



javascript



yalm



c++ / c



### Hobbies

physical activities: gym, soccer, boxing, skateboarding

anime enthusiast: vinland, fma, aot, demon slayer,

video game enthusiast: regional professional fifa l fps:

editor: photoshop, sony vegas pro, elgato, obs, youtube

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