Abi Lopez

Learner, Engineer, Community Leader, Powerful Woman

abieiden@stanford.edu

(310) 667-2580

https://abieiden.github.io/abilopez/bio.html/bio.html

EDUCATION

Stanford University, Stanford— BS in *Electrical Engineering, Minor in Human Rights*

SEPT 2018 - JUNE 2022

Questbridge Scholar, matched to Stanford with a Full Ride Scholarship. Edison Scholar, recipient of $40k STEM Scholarship.

EXPERIENCE

The Stanford Daily Tech Team, Stanford –*Programmer*

SEPT 2020 - PRESENT

I develop new page layouts and features for The Daily's website frontend, which is built in Next.js. Working closely with journalists, we improve the user experience for hundreds of readers. Recipient of The Stanford Daily Winter Opportunity Fellowship which provides me a stipend to work part time for the Tech Team.

Stanford in Government, Stanford — *Co-Director of Policy Dinners & TA of POLISCI 76*

APRIL 2019 - PRESENT

Organized a Fall Quarter speaker series class (POLISCI 76) over the summer, where we invited 9 amazing speakers to talk about their career in Public Service and describe some of the key intellectual issues and current policy challenges they navigate. Successfully led a fundraising effort of $16,500 with 20 other organizations to bring Opal Tometi, Black Lives Matter co-founder, and Blair Imani, founder of Equality for HER, to campus.

Stanford Robotics Club, Stanford — *Technical Writer*

SEPT 2019 - JUNE 2020

Created a Readthedocs website to increase accessibility to our open-source Stanford Pupper robot. The website documents everything needed to build the robot, ie. parts list, downloading the code. Created step- by-step videos on how to build the robot, which you can find on Youtube. We hope that Pupper's low-cost, simple design and our new website will promote engagement for children K-12 and people new to robotics.

TXT: Teens Exploring Technology, Los Angeles— *Scrum Master for Technology Department*

JUNE 2019 - AUGUST 2019

Summer program for low income high school students from East LA. As a product manager, I led a team of four boys to develop an app they would pitch to investors at the end of the program. Then, I was promoted to scrum master of the program and I helped each team develop their app, solved bugs in their code, and created Code Documentations explaining the apps' purpose, the features, API's used, and general functionality.

HARD SKILLS

Front End Programming: HTML/CSS, Javascript, React

Programming Languages: C/C ++, Python, Matlab, SQL, MIT App Inventor, Ionic

Hardware: CNC Machine, Verisurf, Soldering, Circuitry, Welding

SOFT SKILLS

Self Motivated

Leadership

Project Management

Interpersonal Skills

Adaptability

CERTIFICATIONS

Solidworks Associates Certification

Autodesk Inventor & Autocad Certified User

NIMS (National Institute for Metalworking Skills) Certification

Mechanical Engineering Design Technician Certificate 3D Modeling & CNC Machining

Electrical Engineering Technician Certificate Fundamental understanding of circuitry

Engineering Design Technology Certificate 3D Modeling Product Development

LANGUAGES

Spanish – Native (Reading, Writing, Speaking)

French – Intermediate (Reading, Writing, Speaking)