

Abi Lopez

Learner, Engineer, Community Leader, Powerful Woman

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*

September 2020 - Present

I design and program new website pages and features for the Daily journalists to use and constantly improve bugs to increase accessibility and better user experience. Recipient of The Stanford Daily 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 over the summer. Currently leading a fundraising effort of \$16,500 with 20 other organizations to bring Opal Tometi, BLM co-founder, and Blair Imani, founder of Equality for HER, to campus.

Stanford Robotics Club, Stanford — *Technical Writer*

September 2019 - June 2020

Created and currently managing a Readthedocs website to increase accessibility to our open-source Stanford Pupper robot. The website documents everything needed to build the robot, ie. hardware, downloading code. Currently working on a new page that will explain Pupper's software in-depth in hopes that anyone would be able to understand the code and even make their own modifications. We hope that its 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 a Code Documentation doc explaining the apps' purpose, the features, API's used, and general functionality.

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<https://www.stanforddaily.com/>

<https://pupper.readthedocs.io/>

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)