Abi Lopez

Community Leader, Engineer, Powerful Woman

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Education

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

SEPT 2018 - JUNE 2022

2018 Questbridge Scholar, matched to Stanford with a Full Ride Scholarship.
2018 Edison Scholar, recipient of $40k STEM Scholarship.
2021/2022 Hispanic Scholarship Fund Scholar.

Work Experience

The Washington Post, Washington, D.C.– Software Engineer

JUNE 2021 - AUGUST 2021

Worked as an engineer in the Publishing Tools team to develop new features and maintain the primary application that journalists use daily to write their stories. Modified and refactored the code base using modern React.js features. Shadowed our team's Senior Product Manager and sat in key stakeholder meetings gaining insight in agile decision-making principles

Stanford in Government, Stanford — Co-Director of Policy Dinners & TA of POLISCI 76 & POLISCI 74

APRIL 2019 - JUNE 2021

Organized two speaker series classes, where we invited a total of 20 notable 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 Stanford 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, and step- by-step videos. 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.

Immigration Institute of the Bay Area, Remote–Legal Assistant

SEPT 2019 - JUNE 2020

Provided assistance to 6 lawyers with U Visa, VAWA, RFE declarations, completed 2/3 declarations per week, about 10-20 pages. Worked on DACA renewals, short research projects, and translated hundreds of legal documents. Worked daily with clients, scheduling appointments, answering legal questions, and completing declarations.

Hard Skills

Front End Programming: HTML/CSS, Javascript, React

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

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)