

Carlos Lopez

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EDUCATION

Boston University

Bachelor of Science in Computer Science and Physics
HSF Scholar, Upsilon Pi Epsilon Member

Boston, MA

Sept. 2019 – May 2022
3.6 GPA

NOTEWORTHY CLASSES TAKEN (CLICKABLE LINKS)

Algorithm Analysis, Data Structures, Quantum Computing, Distributed Systems, Network Security, Malware Hunting and Reverse Engineering, Functional Programming, Methods for Quantitative Finance, Statistical Thermodynamics

TECHNICAL SKILLS

Languages: Python, Typescript, Java, C/C++, Rust, Solidity, SQL, Lua, Haskell, Ocaml, Fortran, Bash

Web Dev: React, Next.js, Tailwind, Node.js, Bootstrap, jQuery, Flask, Django, Figma, HTML/CSS

Data Science: Pandas, NumPy, Matplotlib, Pillow, OpenCV, Pytorch, Selenium, Tensorflow

Tools: Git, Docker, Kubernetes, Firebase, VS Code, Ghidra, Linux, AWS, Redis, Kali, Slack

EXPERIENCE

AI Reinforcement Learning Consultant

November 2023 – Present

Scale AI

Remote

- Orchestrated data labeling pipelines for optimal efficiency and conducted rigorous audits to ensure data quality compliance, catering to the needs of prominent clients such as Meta, Google, and Nvidia
- Collaborated remotely to enhance workflow efficacy, contributed to agile standup meetings for project alignment, and implemented best practices for superior project outcomes

FrontEnd Developer

January 2023–Present

ezML

Remote

- Collaborated closely with ezML's design team to transform wireframes into responsive user interfaces, ensuring consistency across devices while optimizing platform and landing page performance resulting in enhanced UI/UX
- Played a pivotal role in A/B testing and user feedback analysis, integrating insights into continuous development, resulting in improved page load times and overall platform performance

Software Engineer

May 2022– January 2023

Freelance

Remote

- Developed a brandhub webapp for the Marketing Department of the Brownsville, Texas Municipal Government, facilitating streamlined brand management and marketing operations.
- Made a variety of software solutions for clients including automating online processes, building models for general data analysis, scraped website data through ETL methodologies to load to SQL databases, and made a variety of GUIs and websites

Computer Assistant/Programmer

October 2019 – May 2022

Boston University IS&T Service Desk

Boston, MA

- Troubleshooted, maintained, and solved the issues affecting the technology of the BU community and its facilities
- Kept track of daily phone, in-person, and email client interactions through the ServiceNow ticketing system
- Managed admin groups and research software, along with its licensing and renewal

Data Scientist

August 2020 – May 2021

Blinkah

Boston, MA

- Built GPS software to detect pedestrians, ongoing traffic, and neighboring car lanes with OpenCV and Python by communicating and working alongside 8 other students for enhanced car safety ratings
- Filtered out images using a variety of ML techniques like Hough transform to isolate lanes for continuous lane detection, enhancing pre-existing detection rates by 66%

CERTIFICATIONS

CompTIA Security+, AWS Cloud Practitioner, Professional Scrum Master I, Advanced Cardiovascular Life Support