

# Carlos Martinez

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#) | [Medium](#)

## BRAND STATEMENT

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As a Full-Stack Software Engineer with expertise in Python, JavaScript, and data analysis, I combine industry best practices with my 8 years of community organizing work. My experience and innate passion for learning empower me to approach challenges through diverse lenses, consistently driving me toward optimized solutions.

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**Languages:** Python, JavaScript

**Frameworks/Libraries/Runtimes:** Django, Express, Mongoose, Node.js, React, TailwindCSS, Bootstrap, Material UI

**Databases/Backends:** PostgreSQL, MongoDB

**Methodologies:** MVC, OOP, RESTful Architecture, Agile methodologies

**Tools:** Node.js, Figma, Git, Command Line Interface.

## PROJECTS

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### NEED (E-commerce Application)

- Engineered a MERN stack-based online marketplace by leveraging token-based authentication, Stripe API, and DummyJSON for secure transaction testing.

### AniDex (Anime Database Builder)

- Oversaw development of an anime tracker built using JavaScript, Node.js, Express, and MongoDB.
- Enhanced team collaboration by implementing GitFlow methodology for version control in team environments.

### Fitness Tracker App

- Launched a Django-driven fitness tracking application, using CRUD functionality on WGER API and FreeCodeCamp API Data.

### CryptoKitty NFT Price Prediction

- Leveraged Python libraries like TensorFlow and PyTorch to precisely predict CryptoKitty NFT prices, securing a top 5 position out of 30 in Kaggle competitions.

### AI Enhanced Data Discovery in Tableau

- Utilized Python and OpenAI's ChatGPT-4 for data analysis on IMDB's top 1000 movies, presenting Web3 application opportunities in cinema via Tableau visualizations.

## EXPERIENCE

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### GroundUp Solutions – Los Angeles, California

*June 2023 – Present*

Founder and Lead Engineer

- Tackled disparities in the market by offering crucial solutions for businesses lacking advanced tech resources, resulting in an increase in profits, user traffic, efficiency, and the fundraising of over \$3,000 to support these initiatives.
- Revolutionized the creation and optimization of a customer loyalty system for Salas-Family Restaurant Group, directly leading to a monthly sales spike of \$4,000 and a projected yearly profit of \$11,000.
- Pioneered Machine Learning applications, using Open Source models/datasets to automate task assignment and job progress tracking for S&J Legal Services, reducing administrative costs by 20%.

### Alliance College-Ready Public Schools – Los Angeles, California

*August 2022 – March 2023*

Part-Time Recruiter

- Championed integration of Grayscale system into Greenhouse, resulting in a 50% reduction in response times and a 30% boost in talent sourcing through response automation.

### La Unidad Latina Foundation – New York, New York

*June 2021 – February 2023*

Web Developer

- Designed and deployed a pivotal donation feature, directly contributing to the raising of over \$15,000 in donations in three months.
- Slashed critical source code bottlenecks causing timeouts, leading to a 25% surge in daily active users and significantly improved UX.

### UCLA Association for Computing Machinery – Los Angeles, Los Angeles

*October 2020 – June 2021*

Hack Intern

- Recognized as “Hacker of the Year” for increasing project completion by training and mentoring 5 ACM developers.
- Achieved creation of Cloud-day Hack-a-thon, exposing over 50 attendees to Cloud-based services like AWS and Azure.

## EDUCATION

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Santa Monica College, Computer Science

*June 2023 – May 2025*

General Assembly, Adobe Digital Academy Software Engineering Immersive Bootcamp

*March 2023 – June 2023*

University of California, Los Angeles, Chicano/a Studies & Sociology

*September 2018 – June 2022*