

Alexander Crespo

AI engineer and software developer · Metuchen, New Jersey

STATUS Open to roles

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GITHUB github.com/crespoac

EDUCATION

B.S. Computer Science, minor in Data Science May 2025
Montclair State University · magna cum laude · GPA 3.8 · Dean's List Fall 2023, Fall 2024, Spring 2025
Coursework: software engineering, computer security, networks, operating systems, databases, data structures and algorithms

EXPERIENCE

Founder · Precision Vantage Solutions 2026 – now
AI automation agency for local businesses. Built an AI pipeline that researches a business and builds it a custom demo site, an audit tool that checks whether ChatGPT, Perplexity, Claude and Gemini recommend a business, and an AI business-card extraction workflow. Shipped the agency site with 75 automated cross-browser checks.

Undergraduate Researcher · Space Weather and Machine Learning Jan – May 2025
Montclair State University. Built regression and classification models in Python (scikit-learn, pandas) to improve geomagnetic storm forecasting, under a NASA-funded professor.

Server · Mangia Toscano 2022 – now
Full table-side service in a fast-paced upscale restaurant.

SELECTED PROJECTS

Robotic Hand Gripper 2025
Python hand tracking (OpenCV, MediaPipe) driving a 3D-printed gripper through an Arduino over USB serial. Group project; I wrote the tracking code and printed the parts.

Campus Security Management App College
Flutter and Firebase mobile app for real-time incident reporting, with role-based access for students, staff, security and admins. Team of four, Agile sprints.

Housing Price Prediction College
Regression models on California housing data with scikit-learn, pandas, Matplotlib and Seaborn.

Cybersecurity labs College
SQL injection, packet spoofing, firewall rules and traffic analysis with Scapy, Wireshark and iptables.

SKILLS

AI and data	OpenAI API, LLM evaluation, n8n, MediaPipe, OpenCV, scikit-learn, pandas
Languages	Python, JavaScript, TypeScript, Java, SQL, PHP, C, Bash, HTML, CSS
Frameworks	React, Node.js, Flutter, Firebase, MongoDB, three.js
Practices	REST APIs, role-based access control, database design, automated testing, accessibility, Agile, Git

LEADERSHIP

Vice President · Lambda Theta Phi Latin Fraternity, Inc.

Vice President · Computing Club, Montclair State University