

# ARTURO MUÑOZ

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## Education

### Case Western Reserve University (CWRU)

Aug. 2022 – May 2026

*B.Sc. Computer Science (3.71 GPA); Minors: Mathematics, Business Management*

*Cleveland, OH*

- **Relevant Coursework:** Algorithms, Data Structures, Full Stack Web Development, Software Engineering, Databases, Linear Algebra, Probability, Discrete Math, & Professional Communication for Engineers

## Experience

### The Block

May 2024 – Aug 2024

*Data Engineering Intern*

*Remote*

- Maintain an Apache Airflow cloud data pipeline serving over 500,000 users per month
- Developed a RAG (Retrieval-Augmented Generation) chatbot for premium users built on the company's knowledge base
- Resolve diverse technical challenges across multiple projects, improving developer and user experience

### 20 Minute Trader

May 2022 – May 2023

*Software Engineering Intern*

*Mexico City, MX*

- Engineered a framework for the development and back-testing of trading algorithms
- Refined high-frequency trading algorithms for varying risk tolerance levels leading to enhanced trade accuracy and profitability
- Built and deployed a real-time trading system using Python3 and InteractiveBrokers WebSocket API

### CWRU University Technology Services

May 2023 – May 2024

*Endpoint Support Specialist*

*Cleveland, OH*

- Utilized a ticketing system to resolve over 100 IT issues, serving as the first point of contact for faculty, staff, and students
- Developed documentation for specific recurring issues, leading to a 13% decrease in ticket resolution time
- Collaborated with vendors to resolve hardware issues and secure replacement parts

## Technical Skills

**Programming Languages:** Python (3.6+), TypeScript, JavaScript (ES6+), SQL

**Frameworks:** Vue, NuxtJS 3+, React, NextJS 13+

**Technologies:** Airflow, AWS (SDK, SES, S3, Lambda), Figma

**Languages:** English (Native), Spanish (Native), Russian (Fluent)

## Projects

wreqs  | *Python*

Jul. 2024

- Developed a context manager for handling HTTP requests with built-in logging and retry handling
- Improved developer experience and efficiency in the company's data pipeline, potentially saving hundreds of hours
- Implemented features to enhance request handling in large-scale web scraping operations

httpsauth  | *NuxtJS, TypeScript, PostgreSQL, AWS SES*

Jun. 2024

- Implemented a complete authentication system from scratch using NuxtJS 3 and TypeScript
- Developed features including REST HTTP API, email notifications, and password resets
- Integrated PostgreSQL for data storage and AWS SES for email functionality

### Inkori LLC Online Retail

May 2023 – Aug. 2023

- Managed all aspects of the business, including product sourcing, inventory management, and customer service
- Generated \$30,000+ in sales (Q3 2023)
- Achieved a 98.7% customer satisfaction rating based on feedback from over 1000 sales transactions

## Community Engagement

### Collegiate Connections Mentor

Aug. 2023 – Present

- Acting as a mentor in the Collegiate Connections Peer Mentoring Program, focusing on supporting first year underrepresented ELP, POSSE, and international students at CWRU
- Conducting weekly one-on-one sessions to provide academic guidance in major-specific areas
- Collaborating with a team of 141 members and officers to improve program effectiveness