Arturo Muñoz

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Education

Case Western Reserve University (CWRU) — Aug. 2022 – May 2026
B.Sc. Computer Science (3.76 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 Communcation 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