

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 Communication for Engineers

Experience

The Block

May 2024 – Present

Data Engineering Intern

Remote

- Maintain a robust cloud data pipeline that processes data daily, ensuring seamless data flow and building data collections that serve over 500,000 users per month
- Developed a RAG (Retrieval-Augmented Generation) chatbot for premium users, built on the entire company's knowledge base

20 Minute Trader

May 2022 – May 2023

Software Engineering Intern

Mexico City, MX

- Engineered a robust Python3 framework for the development and back-testing of trading algorithms, streamlining the R&D process
- Refined 3 high-frequency trading algorithms in Python3, tailoring them for varying risk tolerance levels and underlying trading strategies, which led to enhanced trade accuracy and profitability
- Built and deployed a live trading system using Python3 and InteractiveBrokers WebSocket API, enabling real-time algorithmic trading

CWRU University Technology Services

May 2023 – Present

Endpoint Support Specialist

Cleveland, OH

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

Technical Skills

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

Frameworks: React, Next.js, Django

Technologies: PostgreSQL, MongoDB, AWS (SDK, S3, Lambda), Figma

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

Projects

whizfile.com 🌐 🌐 | *Next.js, TypeScript, TailwindCSS, MongoDB, AWS (S3, SDK), Figma*

Oct. 2023 - Jan. 2024

- Designed a file transfer service architecture to optimize for speed, security, and customizability
- Built and designed the front-end using Figma, Next.js, TypeScript, and TailwindCSS
- Engineered a RESTful back-end using Next.js routing, MongoDB, and AWS S3

vval.py 🌐 🌐 | *Python*

Oct. 2023

- Developed a Python module for input validation, focusing on simplicity
- Implemented a variety of functions including basic type validation, iterable validation, option validation, and filter validation
- Designed to handle multiple data types and combinations, ensuring flexibility and comprehensive validation capabilities

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 during their fall semester 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