

Flavio Medina Jr.

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<https://www.linkedin.com/in/flavio-medina-ir-a2b765229/> | Place: Rochester, NY

SKILLS:

Programming Languages:

Java • Python • JavaScript • C# • PHP

Hard Skills:

Data Science • Data Visualization • Computer Science •
Data Analysis • Statistic • Complex Data Sets • Coding
• Business Growth • Data-Driven Insights • Construction
• Networking • Professional Development • Power Bi

Soft Skills:

Operational Excellence • Teamwork • Technical Skills •
Friendly • Problem-Solving Skills • Analytical •

Databases:

mySQL • NOSQL • MongoDB • Neo4 • SQL

Personal:

Communication Skills • Effective Problem Solver •
Interpersonal Skills • Collaborative • Enthusiasm

PROFESSIONAL CERTIFICATES:

Online Course - The Global Accelerator • Internship

- Coding for Data – Certificate of Completion
- Intel – Data Analysis for Sustainability
- Recording Academy – Website Audience Analysis Certificate
- SQL Specialist
- Python Specialist

ACTIVITES:

Vegan Club

Photographer/Volunteer

- Active member promoting plant-based living, sustainability, and ethical food choices through events and discussions
- Captured high quality images for community events, assisted in organizing initiatives, and contributed to promotional materials.

Deaf Basketball Association (DBA)

Player/Coach

- Compete in leagues games, demonstrating teamwork, strategy, and leadership on the court.
- Promote inclusivity and accessibility in sports within the Deaf community

COURSEWORK:

Programming languages Concepts • Data Structures & Problem Solving • Concepts of Computer • Statistics • Data Management • Discrete Math • Crypto & Authentication • Contemporary Databases • System Administration Concepts • Web Development • Databases Concepts • Cyber Security Concepts

HOBBIES & INTEREST:

Volunteering • Cooking • Reading • News • Basketball • Travel • Hiking • Gaming • Trading • Learning new things • Working out • Going out with dogs • Socializing • Music • Photograph

OTHER EMPLOYMENT:

Student Assistant Service Aug. 2022 – May. 2024
National Technical Institute for the Deaf Rochester, NY

- Overseen the processing of financial forms
- Assisted in preparing various financial reports
- Contributed to unit goals by accomplishing related duties as required.

OBJECTIVE:

Looking to obtain an ambitious and educational co-op position to further develop skills, knowledge, and passion for Computer Science, Software Development, or Data Analysis in a related field.

Available May 2025 – August 2025.

EDUCATION:

Expected December 2025

Rochester Institute of Technology (RIT), Rochester, NY

Bachelor of Science, Computing and Information Technologies

Minor in Cybersecurity Risk Management

Immersion in Psychology

WORK EXPERIENCE:

Product Tester – Technical Intern

Oct 2024 – Jan 2025

Maven Technologies, LLC

Rochester, NY

- Tested computers, laptops, and tablets for functionality and specifications
- Entered system specs and test results into the databases with accuracy
- Performed troubleshooting and minor hardware repairs
- Ensured organized workflow and timely processing of all devices

Data Science Intern

May 2024 – Aug 2024

The Global Accelerator

Online

- Developed advanced data science/data analysis skills in SQL, Tableau, and Python (Pandas, Plotly, NumPy) through coursework and milestones, earning recognition from the program leader.
- Completed a capstone project with Intel, focusing on optimizing “Sustainable Development and Expansion.”
- Executed a capstone project with the Recording Academy, concentrating on “Improving Website Data Structure”

PROJECTS:

Rush Hour Project

- Utilized backtracking algorithms to efficiently solve direction and movement challenges within the system
- Built a user-friendly GUI to facilitate model visualization and improve user experience
- Created a functional FX and scanner for debugging and identifying system issues during development.
- Designed and implemented a robust testing framework with assertions to validate vehicle movement and system behavior
- Applied rigorous debugging techniques to ensure flawless code execution and optimal performance.

- **Technologies Used: Java, FX, Backtracking Algorithms, GUI, Debugging Tools**

Intel – Sustainable Development and Expansion

- Utilized SQL to gather and organize data for analysis and reporting
- Built complex queries to extract key insights from large datasets
- Designed interactive Tableau dashboard to visualize sustainable development metrics and expansion opportunities

- **Technologies Used: SQL, Tableau, Excel**

Recording Academy – Improving Website Data Structure

- Utilized Python (Pandas, NumPy) to clean, structure, and organize website data for optimal performance.
- Applied data manipulation techniques to ensure efficient data flow and accessibility.
- Created visualizations with Plotly to present insights and improvements in the website's data structure.

- **Technologies Used: Python, Pandas, NumPy, Plotly**

Web Site

- Ensured responsive design and functionality using HTML and CSS
- In utilizing FileZilla for website deployment and management
- A team in designed and development a dynamic website using PHP, JavaScript, HTML, CSS.
- Spearheaded a collaborative effort to build a functional website from scratch
- **Technologies Used: GitHub, HTML, JavaScript, PHP, CSS, FileZilla**