Kevin Villa

🧁 Personal Page | 👾 GitHub | 🔷 Linkedin

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EXPERIENCE

Data Science Intern, One Call - *Jacksonville, FL*

May 2025 - August 2025

Designed and deployed a Large Language Model (LLM)-powered automation to replicate and improve clinical reviewer decision-making, achieving significant cost savings and operational efficiency.

- Processed 23,000+ medical reports in 12 hours (vs 3.7 years manually)—$1.3M cost savings and achieved higher accuracy than human reviewers using few-shot learning and prompt engineering for surgical classification
- Integrated LLM workflow with Azure OpenAI API, Databricks, Snowflake, and Azure Portal, implementing comprehensive logging/monitoring
- Developed APIs with FastAPI, implementing routers, tokenizers, and error handling; built Pydantic models for data integrity

Tools used: Azure OpenAI API, FastAPI, Databricks, Snowflake, Azure DevOps, Pandas, Excel, PySpark, scikit-learn, Pydantic, Tableau

Data Science Intern, One Call - *Jacksonville, FL*

May 2024 - August 2024

Evaluated and updated outdated automation processes by analyzing performance metrics, identifying inefficiencies, and implementing Optimizations.

- Converted UiPath ot logic into optimized query – 38% to 88% hit rate improvement
- Streamlined healthcare referral/claims – 70% reduction in manual file reviews
- Optimized review process for efficient resource allocation

Tools used: SnowFlake, DataBricks, Teams, Visual Studio Code, Excel, Tableau, Lucid, UiPath, SharePoint

PROJECTS

4SeamMetrics — *BaseBall Analysis Hub*

Platform integrating baseball API's, LLM workflows, and custom statistical analysis across large structured datasets. Showcasing my evolving DS skillset and passion for baseball.
🔗 GitHub |

MISHI — *Community Web App for Stray Cats*

Developed a full-stack React/Firebase web app with Google Maps API for stray cat tracking and fostering. Implemented role-based authentication, location pinning, resource sharing,, and OAuth-enabled account management. Integrated secure Firestore rules.

🔗 GitHub | 📁 Drive

Room On Fire — *Magazine*

Platform for Music, Fashion, Art, and Cinema topics using SQL database and web development skills, implementing account creation, commenting systems.

🔗 GitHub | 📁 Drive

SKILLS

- LLM Development
- Prompt Engineering
- Few-Shot Learning
- Pandas
- Python
- JavaScript
- CPP
- SQL
- Statistics
- DataBase Management
- Cloud Data
- API Development
- Process Optimization
- Automation
- **Bilingual**: English/Spanish

EDUCATION

Masters in DataScience
NYC — CUNY SPS
Expected: Spring 2028

Bachelors in Computer Science,
NYC — Queens College CUNY
December 2025

Associates in Computer Science
NYC — BMCC CUNY
June 2023

AWARDS

- National Science Foundation Scholarship
- Transfer Honors Scholarship
- Steven L. Gerard Memorial Endowment Fund