

Flora Dedvukaj

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Portfolio: florad17.github.io/flora-portfolio

EDUCATION

- Fordham University**
 - B.S. in Computer Science and Mathematics*
- New York, NY
Aug 2021 - May 2025

SKILLS SUMMARY

- Languages:** Python, SQL, Java, C++, C, Ruby, TypeScript, HTML/CSS, Albanian, Croatian, French
- Tools/Libraries:** AWS (S3, Bedrock, SageMaker, Lambda), Redshift, Pandas, NumPy, PyTorch, TensorFlow, Apache Airflow, MongoDB, Postman, Terraform, Docker ,

DATA EXPERIENCE

- Data Science Intern**
 - Burt Intelligence.*
 - Designed and implemented scalable ETL pipelines to automate data ingestion and processing of datasets
 - Optimized real-time data retrieval using Kendra and LanceDB, reducing query response times by 35%
 - Developed Lambda functions for low-latency data processing, improving system performance by 40% through efficient cloud resource use
- New York, NY
Jun 2024 - Aug 2024
- AI Developer**
 - Google Gemini AI Hackathon*
 - Built scalable AI-powered **playlist generator** with **Google's Gemini API** and NLP for music recommendation
 - Integrated TensorFlow and PyTorch to fine-tune deep learning models, increasing playlist accuracy by 25% using optimized training techniques
 - Spearheaded development of front-end using React.js/Redux, ensuring live interaction for over 5,000 concurrent users
- Remote
Apr 2024 - May 2024
- Artificial Intelligence/Machine Learning Fellow**
 - Fordham University - Computer Science Department*
 - Built and fine-tuned predictive models using decision trees, SVM, and deep learning frameworks, improving model accuracy by 30% for data analytics projects
 - Conducted data analysis and feature engineering on datasets of over 1TB using Python (NumPy, SciPy) and SQL, uncovering key patterns that enhanced model predictions
 - Reviewed academic literature and attended conferences on deep learning, computer vision, and ethical AI
 - Collaborated on the development of dimensional models for academic research, ensuring data infrastructure was optimized for complex analytics and reporting
- New York, NY
Jan 2023 - May 2023
- ## PROGRAMMING EXPERIENCE
- Mathematics Undergraduate Research Assistant - Prof. Han Bom Moon**
 - Fordham University - Mathematics Department*
 - <https://arxiv.org/abs/2310.09293v1>
 - Authored and presented research findings on space-filling curves at various conferences such as JMM 2024
 - Constructed specific examples of algebraic space-filling curves in three-dimensional projective space, with a focus on those with the smallest possible degree
 - Developed new geometrical constructs in three-dimensional projective spaces using Macaulay2 and Python, including NumPy and SciPy libraries, to perform advanced algebraic computations

New York, NY
Jun 2023 - Aug 2023

- Full-Stack Web Developer**
 - Baresha Cafe*
 - Led the development and architecture of an e-commerce platform managing a MongoDB database to store and process over 10,000 customer records
 - Deployed using Docker and AWS, reducing deployment time by 50% and improving the system's scalability
 - Optimized database queries and API endpoints, cutting response times by 20% through performance tuning and integration testing using Postman

New York, NY
Dec 2022 - Jun 2023

ACTIVITIES AND AFFILIATIONS

Sigma Xi Research Society | Mathematics Club Treasurer | Fordham Computer Science Society