Aleksandra Georgievska

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SKILLS

Languages: Python, Java, SQL (MySQL, PostgreSQL), Bash, R, C++
Libraries: Pandas, NumPy, Selenium, NLTK, spaCy, Scikit-learn, Matplotlib, Plotly, SQLAlchemy, Requests
Developer Tools: Git/GitHub, Atlassian, Heroku, Docker, GCP, MongoDB, VS Code/Cursor, Datadog, Twilio
Frameworks: Flask, JUnit

EDUCATION

Computer Science B.S., CUNY Queens College, Queens, NY — Dec 2023
Joyce Warren Scholarship | *Dean's List* | *Overall GPA 3.57*

Contemporary Writing & Production B.A., Berklee College of Music, Boston, MA — May 2011

EXPERIENCE

Full Stack Data Science Consultant — New York, NY
Company Ventures 🔗 — Jul 2023 - Present

- Collaborated with CV to distill complex business logic into clear technical requirements and a data-driven strategy to identify top talent by automating the evaluation of thousands of LinkedIn profiles, greatly reducing manual search
- Developed and deployed a MVP web app featuring a front-end client portal, a data processing pipeline, four custom mapping datasets with accompanying rule-based classification models, and RESTful API endpoints for database CRUD operations using Flask, Python (Pandas, SQLAlchemy, NLTK), Javascript, HTML/CSS, Heroku, and Airtable
- Drove the data generation and model development process, achieving an average accuracy of 92% across all models
- Witnessed the MVP transition from an internal tool to a revenue-generating asset with a $5,000/month licensing fee
- Integrating an LLM into the MVP to extract critical keywords from company profiles and job descriptions for more precise talent matching, and conducting cost analysis to compare API-based, open-source, and self-hosted solutions
- Conducting feature impact analysis to identify key predictors of company success versus failure, using external datasets, statistical methods, and machine learning to refine the MVP and enhance model performance

Adjunct Lecturer — New York, NY
CUNY Queens College, Computer Science Department — Jul 2024 - Dec 2024

- Led undergraduate & graduate classes in algorithmic problem solving & OOP in C++, Java using Linux, IDEs, & Github

Jr. Software Development Engineer in Test — New York, NY
nuArch 🔗 — Jul 2024 - Sep 2024

- Developed and implemented automated testing frameworks, leveraging Java, Cucumber, Spring, Selenium, IntelliJ, Gitkraken, the Atlassian suite (Jira, Bitbucket, Confluence) in an Agile environment for multiple NYC DOE projects
- Contributed to technical documentation by designing UML diagrams and articulating class structures and inheritance

Data Science Consultant — New York, NY
Kubera Health (Startup) 🔗 — Mar 2024 - Jun 2024

- Laid the foundation for Kubera's analytical data product development by engineering robust data pipelines with Python, JDBC, and Selenium for automated ingestion and preprocessing of healthcare data, establishing an early stage SQL database with automated schema creation and data storage
- Directed the research and evaluation of third-party solutions by authoring comprehensive product requirements and technical documentation, and conducting meetings with sales representatives, accelerating time-to-market
- Reported directly to the CEO, playing a pivotal role in decision-making and contributing to strategic planning using Jira and Agile methodologies, independently managing project timelines and deliverables

Machine Learning Research Intern — New York, NY
Interdisciplinary Data Science Lab at CUNY Queens College, Dr. Jonathan Gryak 🔗 — May 2023 - Dec 2023

- Implemented a bioinformatics ML model ("LUCCK", Learning Using Concave and Convex Kernels), creating a clinical decision support system for detecting food allergies by preparing clinical study data, performing model training and evaluation against pre-trained models (GNB, LogReg, RF, SVM), and developing an external validation data set
- "*Prediction of Pediatric Peanut Oral Food Challenge Outcomes Using Machine Learning*", Gryak et al., JACI:Global, 2024 🔗

PROJECTS

Challenging Air Quality Claims: Case Study Found discrepancy in study's results, leading to a formal paper correction 🔗
Customer Interaction API A flask app integrated with MongoDB and Twilio to simulate customer complaints & calls 🔗
Can Jim Beat Aleks In Rummy? An app for game result predictions using Python, Flask, GCP/Cloud SQL, HTML/CSS 🔗

FELLOWSHIPS

Data Science Research Fellow, Microsoft Research, New York, NY — May 2023 - Jun 2023
Data Science Fellow, CUNY Tech Prep**,** New York, NY — Aug 2022 - Jun 2023
Machine Learning/AI Fellow, Break Through Tech at Cornell Tech**,** New York, NY — Jul 2022 - Sep 2022