

Aleksandra Georgievska

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EXPERIENCE

Full Stack Data Science Consultant

Company Ventures [link](#)

New York, NY

Jul 2023 - Present

- Collaborated with client 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, psycpg2, 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

CUNY Queens College, Computer Science Department

New York, NY

Jul 2024 - Dec 2024

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

Jr. Software Development Engineer in Test

nuArch [link](#)

New York, NY

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

Kubera Health [link](#)

New York, NY

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

CUNY Queens College, Dr. Jonathan Gryak

New York, NY

May 2023 - Dec 2023

- Implemented a cutting-edge bioinformatics ML model ("LUCCK", Learning Using Concave and Convex Kernels), creating a clinical decision support system for detecting food allergies, by cleaning clinical study data, performing model training and evaluation against pre-trained models (GNB, LogReg, RF, SVM), and developing an external validation set to verify the model's predictive capability, achieving AUC 0.993, sensitivity 0.986, and specificity 1

FELLOWSHIPS

Data Science Research Fellow

Microsoft Research, DS3

New York, NY

May 2023 - June 2023

- Collaborated with MR scientists on a four-week R-based study [analysis](#), identifying discrepancies in a published paper's results, leading to a formal correction and our work's acknowledgment in the prestigious journal, PNAS

Data Science Fellow

CUNY Tech Prep

New York, NY

Aug 2022 - Jun 2023

- Co-engineered [Vibify](#), an NLP analysis tool to classify the sentiment of lyrics, utilizing Streamlit, TensorFlow, and NLTK
- Won first place in a hackathon with the development of [MyMuscle](#); Served as program Ambassador

Machine Learning/AI Fellow

Break Through Tech at Cornell Tech

New York, NY

Jul 2022 - Sep 2022

- Worked with industry partner UNHCR to analyze email data, identifying predictive features for donation candidates

EDUCATION

Computer Science B.S., CUNY Queens College

Joyce Warren Scholarship | Dean's List | Graduating GPA 3.57

Queens, NY

May 2020 - Dec 2023

Contemporary Writing & Production B.A., Berklee College of Music

Boston, MA

2007 - 2011

PUBLICATIONS

"Prediction of Pediatric Peanut Oral Food Challenge Outcomes Using Machine Learning", Gryak et al., JACI:Global, 2024