

# Aleksandra Georgievska

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## SUMMARY

Professional musician turned Computer Scientist pursuing career opportunities in Data Science/Engineering, ML, & SWE

## SKILLS

Python (Pandas, Numpy, Selenium, NLTK/spaCy, Scikit-learn, TensorFlow, Plotly), Java (JUnit, Cucumber, Selenium), SQL, SQL Server/PostgreSQL, GCP/Cloud SQL, Docker, Git/Github, Jira/Confluence, C++, HTML/CSS/XML, R, Linux/Bash, Excel

## 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, psycopg2, 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 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
- "Prediction of Pediatric Peanut Oral Food Challenge Outcomes Using Machine Learning", Gryak et al., JACI:Global, 2024 


## PROJECTS

**Can Jim Beat Aleks In Rummy?** An app with predictive analysis using Python, Flask, GCP, PostgreSQL, Docker, HTML 

## FELLOWSHIPS

**Data Science Research Fellow**, Microsoft Research, New York, NY

May 2023 - Jun 2023

- Collaborated with MR scientists, identifying discrepancies in a PNAS manuscript, leading to a formal correction 

**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

## 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