Aleksandra Georgievska

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EDUCATION

Computer Science B.S., CUNY Queens College — Queens, NY
Joyce Warren Scholarship | *Dean's List* | *GPA 3.67* — May 2020 - Expected Dec 2023

Contemporary Writing & Production B.A., Berklee College of Music — Boston, MA
2007 - 2011

SKILLS & TOOLS

Skills: ML model selection/training/evaluation, data cleaning/analysis/visualization, database management, Agile/Scrum
Tools: Python, R, Java, HTML/CSS, SQL, MongoDB, Excel, Git/Github, Bash, Figma, Photoshop, Davinci Resolve, Trello

EXPERIENCE

Data Analyst/Software Developer — New York, NY
Company Ventures (Contractor) — Jul 2023 - Present

- Designing, developing, and deploying a custom web app solution based on client requirements to clean, analyze, and apply machine learning models to raw data using Python (SpaCy, NLTK, Scikit-Learn), Flask, HTML/CSS, Heroku

Research Intern — New York, NY
CUNY Queens College, Dr. Jonathan Gryak — May 2023 - Dec 2023

- Assisted in developing ML pipelines for bioinformatics to create a clinical decision support system for food allergies
- Cleaned and interpreted raw datasets for ML training using the data's study documentation, Excel, and Python
- Generated summary statistics, performance metrics, and written copy for a collaborative research paper

Business Development and Research — New York, NY
Convofind (start-up, now Pondr) — Jan 2023 - May 2023

- Collaborated in planning ConvoFind's business model, focusing on enhancing user engagement through algorithmic matching for online conversations; analyzed academic and market research to innovate social networking algorithms
- Presented at Startup Grind's Global Conference in April 2023, advocating for investment and strategic partnerships

RECENT PROJECTS/FELLOWSHIPS

Domain-Driven Data Modeling & Database Development — New York, NY
CUNY Queens College - CSCI 331 — Sep 2023 - Dec 2023

- Led a team of six to plan and design data models towards the development of relational databases for Microsoft SQL Server and perform migrations toward TSQL databases, leveraging leadership and teamwork NACE competencies
- Reverse engineered pre-existing databases to derive normalized Physical Data Models, Logical Data Models, and Conceptual Data Models using bottom-up approach
- Utilized: Microsoft SQL Server, Azure Data Studio, Docker, TSQL, Redgate, Git, Github

Data Science Research Fellow — New York, NY
Microsoft Research, DS3 — May 2023 - June 2023

- Collaborated with MSR scientists to replicate study results, identifying key discrepancies and source code anomalies
- Applied scripting techniques using Python, R, and Bash to obtain, clean, and explore datasets, and train ML models
- Utilized statistical techniques, data visualization, and evaluation metrics to assess model predictive performance
- Chosen from 300+ of applicants to be 1 of 12 student researchers in a paid 4-week full-time data science program

Data Science Fellow — New York, NY
CUNY Tech Prep — Aug 2022 - Jun 2023

- Developed proficiency in Python (Pandas, NumPy, Scikit-learn), SQL, and ML algorithms (Regression, RF, Image Classification, NLP) over 22 weeks of intensive labs; honed skills in EDA, feature engineering, and statistical analysis
- Co-created Vibify using Streamlit, Python, TensorFlow, and NLTK; trained NLP models on Spotify lyrics for sentiment analysis; added lyrics search functionality using cosine similarity calculations
- Engineered MyMuscle, a fitness website, within a team of four that won 1st place in a hackathon; programmed dynamic muscle insights and simulated live-data visualizations showing fitness progress using Python and Fitbit data
- Served as Queens College Ambassador; presented closing speech at CUNY Tech Prep graduation ceremony

Machine Learning/AI Fellow — New York, NY
Break Through Tech at Cornell Tech — Jul 2022 - Sep 2022

- Acquired practical ML/AI expertise through lectures, collaborative group labs resembling Agile sprints, and projects
- Worked with industry partner UNHCR to analyze email data, identifying predictive features for donation candidates

PUBLICATIONS

"Prediction of Pediatric Peanut Oral Food Challenge Outcomes Using Machine Learning", Gryak et al., Under Review