

# Aleksandra Georgievska

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## EXPERIENCE

### Data Scientist/Software Developer

Company Ventures (Part-Time Contractor)

New York, NY

Jul 2023 - Present

- Designed and engineered a custom user interface for data cleaning, NLP analysis, and founder profile classification, automating the ranking of potential investments and boosting initial cold outreach response rates from 1-2% to 15%
- Integrating UI into Airtable database and working to improve founder expertise identification while analyzing industry trends to enhance investment decisions and reveal key startup success factors in leadership and market dynamics

### Research Intern

CUNY Queens College, Dr. Jonathan Gryak

New York, NY

May 2023 - Dec 2023

- Contributed to a cutting-edge ML model for bioinformatics, aimed at creating a clinical decision support system for food allergies, by developing an external validation set through analyzing and extracting critical data from two clinical studies and verifying the model's predictive capability, minimizing future dependencies on oral food challenges
- Authored a section on missing data and imputation techniques, and generated metrics for the research manuscript

### Business Development and Research

Convofind (start-up, now Pondr)

New York, NY

Jan 2023 - May 2023

- Effectively advocated for investment and strategic partnerships at Startup Grind's Global Conference in April 2023, generating valuable leads and securing meetings with potential investors, establishing lasting business connections
- Collaborated in planning ConvoFind's business model, focusing on research enhancing matching and engagement

## RECENT PROJECTS/FELLOWSHIPS

### Domain-Driven Data Modeling & Database Development (Team Lead)

CUNY Queens College - CSCI 331

New York, NY

Sep 2023 - Dec 2023

- Directed a team of six in a semester-long group assignment, culminating in successful designs, developments, and migrations of robust relational databases for Microsoft SQL Server and Azure Data Studio, receiving top grades
- Orchestrated project management duties by scheduling and leading meetings, and delegating and monitoring tasks with Gantt charts and to-do lists, resulting in optimized workflows and timely project executions for four projects
- Reverse engineered existing databases to create normalized Physical, Logical, and Conceptual Data Models, significantly improving database efficiency and integrity through a meticulous bottom-up approach

### Data Science Research Fellow

Microsoft Research, DS3

New York, NY

May 2023 - June 2023

- Partnered with MR scientists in a rigorous four-week analysis using R, uncovering and rectifying critical discrepancies in study results, which led to a formal correction and recognition of our work in the prestigious journal PNAS
- 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

CUNY Tech Prep

New York, NY

Aug 2022 - Jun 2023

- Achieved proficiency in Python (Pandas, NumPy, Scikit-learn) and ML algorithms (Regression, RF, Image Classification, NLP) over a rigorous 22-week training program, leading to the presentation of a successful group capstone project
- Co-engineered Vibify, a songwriting companion tool utilizing Streamlit, TensorFlow, and NLTK to classify the sentiment of lyrics and return lyrically similar songs, enriching the creative process through insight and references
- Led the development of MyMuscle, a fitness web app featuring data visualizations that won first place in a hackathon
- Served as Ambassador, delivering the keynote at graduation, underscoring the program's impact on tech education

### Machine Learning/AI Fellow

Break Through Tech at Cornell Tech

New York, NY

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

## EDUCATION

### Computer Science B.S., CUNY Queens College

Joyce Warren Scholarship | Dean's List | GPA 3.57

Queens, NY

May 2020 - 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, RDBMS, OOP, unit testing, error handling

**Tools:** Python, Java, R, SQL, HTML, Microsoft SQL Server, Azure Data Studio, Docker, Excel, Redgate, Git/Github, Bash

## PUBLICATIONS

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