

DARIGA SHOKAYEVA

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EDUCATION

New York University Abu Dhabi, B.S. in Computer Science *Sep. 2020 - Expected May 2024*
Relevant Coursework: Software Engineering, Operating Systems, Computer Networks, Algorithms, CSO,
Projects in Programming and Data Science, Machine Learning, Applied ML & Communications Lab (*in progress*)
Minors: Applied Mathematics and Interactive Media **CS Major GPA: 3.86/4.0**

Nazarbayev Intellectual School *Kazakhstan, Sep. 2010 - Jun. 2019*
A-level Education with an emphasis on Computer Science, Physics and Mathematics **CGPA: 5.0/5.0**

SKILLS

Programming languages	Python, C/C++, JavaScript
Technologies and Frameworks	Git, SQL, Pandas, Matplotlib, Seaborn, Tensorflow, Keras, HTML/CSS
Languages	English, Russian, Kazakh, French (Elementary)

EXPERIENCE

Teaching Assistant for Object Oriented Programming *Jan. 2023 - Present*
Responsible for grading and improving student experience in the C++ OOP course taught by Professor Alhanai with 30+ students

Machine Learning Research Assistant *Spring 2022*
Worked in a team supervised by Professor Baghdadi on the dataset for ML model on text-to-code generation accuracy

PROJECTS

Interactive Website LocateYourWaste
Python/SQL/Matplotlib/Pandas/HTML/CSS/JavaScript/API/Flask

- Conducted data analysis to build interactive plots and maps from the NYC open-source datasets
- Received the rank 1 out of 10 teams for the final project at NYU Stern School of Business

Semi-supervised Clustering of the MNIST Dataset
Python/Sklearn/Numpy/K-means Clustering/t-SNE Dimensionality Reduction

- Applied t-SNE dimensionality technique to make k-means clustering more effective at detecting clusters
- Obtained 90%+ accuracy for labeling the dataset based on the labels of 50 selected data points

Remote CLI Shell
C/Linux/Scheduling/Synchronization/Multithreading

- Implemented a Linux shell with multi-threading and scheduling capabilities
- Integrated the multitasking capability using threads to serve several clients simultaneously

Automated Course Scheduling System for NYU Albert
Python/JavaScript/HTML/CSS

- Developed in a team the system that scraped the course information from NYU Albert
- Presented several possible interactive course schedules based on students' choices

AWARDS

- NYUAD Hackathon for Social Good 2022 - Best Social Good Applied to the Region