

ARCHILI ROBAKIDZE

Computer Science BSc Student

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📍 Tbilisi, Georgia

in [Archili-Robakidze](#)

🌐 [Mordyyy](#)

EXPERIENCE

Data Scientist

Bank Of Georgia

📅 Jun 2021 – Present

- Part of an agile research laboratory team, researching natural language processing.
- Contributing to the Georgian speech to text project. Using ML/DP algorithms to get data.
- Working on Georgian NLU project. Implemented contextual spellchecker, language detector, transliterator, entity extractor and intent classifier for NLU pipeline. Trained BERT-like models on large Georgian language corpus.
- Technologies and concepts used: **Python, nltk, pytorch, keras, transformers, rasa, ctc-segmentator, wav2vec 2.0**

Teaching Assistant

Free University Of Tbilisi

📅 Sep 2021 – Jan 2022

- Teaching programming methodologies using Java. Helping students improve programming skills and see the bigger picture of software development.
- Checking students' assignments and holding consultations. Creating tricky tasks for quizzes and exams
- Technologies and concepts taught: Java, Methodologies ,OOP, Algorithms, Data Structures

Programming Instructor

Informational Technology Center Mziuri

📅 Sep 2020 – Present

- Explaining main concepts and design patterns of C++ and Java to motivated high school students.
- Helping students to implement various algorithms and data structures from scratch.

EDUCATION

Bachelor in Math and Computer Science

Free University of Tbilisi

📅 Sep 2018 - Jun 2023

📍 Tbilisi, Georgia

High school

N41 Physics-Mathematical school

📅 Sep 2006 - Jul 2018

📍 Kutaisi, Georgia

AWARDS AND CERTIFICATES

- | | |
|------|---|
| 2021 | Practical Reinforcement Learning - 8 AI Agents on Udemey |
| 2021 | Data Science: Natural Language Processing (NLP) in Python |
| 2021 | Deep Learning on Coursera |
| 2020 | Certificate, ICPC Northern Eurasia Finals 2020 |
| 2020 | Participated in EJOI2020 testing round |
| 2019 | Certificate, ACM-ICPC 2019 Northern Eurasia Semi Finals |

PROJECTS

User Behaviour Prediction

📅 Jan 2021 - March 2021

- Preprocessed, analysed and clustered MyFitnessPal's data (3 months record) with team of 2. Used **SARIMA** to predict users activity in the next 5 days, and **GRU** to predict 'Diet Score'. Tools and methodologies used: **Python, Tensorflow, Pandas, Keras, Numpy, Matplotlib, Seaborn**

Pacman AI agents

📅 Sep 2020 - Nov 2020

- Implemented Pacman AI agents based on several algorithms using Python. Designed and created search agents using different approaches: A*, UCS, DFS, BFS. Tools and methodologies used: **Python, Numpy, Markov models, Reinforcement learning, Minimax trees**

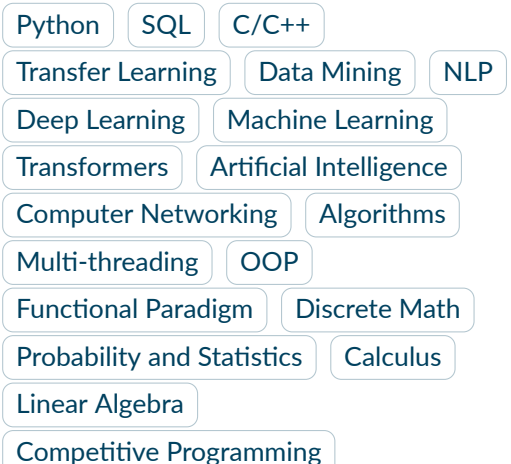
RESEARCH

ENA Programming language

📅 Jan 2021- Jul 2021

- Part of the research university team. Working on first ever Georgian educational programming language. Implementing abstract syntax tree, arithmetic expressions and parser in C++.

TECHNICAL SKILLS



LANGUAGES

Georgian, *Native*
English
Russian

