

MADINA KARIMOVA

DETAILS

EMAIL

madina.karimova@mail.utoronto.ca

LINKS

[Website](#)

LANGUAGES

English



Azerbaijani



Turkish



French



Russian



EDUCATION

Honours Bachelor of Science, University of Toronto, Mississauga

Sep 2016 — Nov 2021

Major in Biology for Health Sciences

Major in Psychology

Minor in Functional French

GPA over the last two years: 3.85

EMPLOYMENT AND RESEARCH

Lab assistant, Gilan Bread Factory

Baku

Sep 2020 — Dec 2020

- Performed flour analysis, more specifically:
- Measured gluten content of the flour, index of gluten deformation, amylase activity, as well as quality parameters such as color, moisture, and ash content of the flour

Volunteer lab assistant at the Ness lab, University of Toronto Mississauga

Jan 2021 — Apr 2021

- Used BLAST to perform similarity searches between DNA sequences
- Used BioPython for performing multiple sequence alignments with the Muscle program
- Used BioPython's phylogenetic tools for reading, manipulating & estimating phylogenetic trees

TECHNICAL SKILLS

Python

Skilled at working with libraries for data science (numpy, pandas, scikit-learn), visualization (altair, matplotlib) and bioinformatics (BLAST, muscle)

Completed a 25-hour Python course at Codecademy ([certificate](#))

Scripting

Automating tasks using Bash and Python

Working knowledge of R and Java

Completed the "Learn R course" at Codecademy ([certificate](#))

RESEARCH ESSAYS

A Critical Analysis of Obsessive-Compulsive Disorder [pdf](#)

Current Approaches to Treatment of OCD [pdf](#)

On Treatment of Pedophilia [pdf](#)

On Refugee Politics: Analysis of "Life Lived in Relief" by Ilana Feldman [pdf](#)

EXTRA-CURRICULAR ACTIVITIES

Facilitated Study Group Leader, UTM

Mississauga

Sep 2019 — Apr 2020

Helped intermediate French class students to improve their studying habits and navigate through the course material.

Volunteer note-taker, Accessibility Services at UTM

Mississauga

May 2021 — Jun 2021

Took detailed notes and uploaded them to the database every week to support students with disabilities.