

# MAHAMMAD NAHMADOV

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## Education

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**ADA University**, BSc, Computer Science, Sep 2017 – May 2023, CGPA: 3.77/4.0 Advisor: Samir Rustamov

**University of Waterloo**, Math Exchange, Computer Science, Jan - Apr 2020, CGPA: 88.33/100

## Work Experience

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### Azercell Telecom LLC

Data Engineer Intern

Baku, Azerbaijan  
Aug 2021– Feb 2022

Responsible for Data Processing, Visualization, Analytics and Automation.

- Implemented a Kafka cluster consisting of a broker, a producer, and multiple consumers.
- Implemented a Kubernetes cluster consisting of two Deployments, two Services, a ConfigMap and a Secret using kubectl and minikube.
- Implemented automation scripts that classifies types of Azercell users from call records, removes unnecessary and duplicate call detail records in Bash.

## Research Experience

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### ADA University

Undergraduate Research Assistant

Baku, Azerbaijan  
Sep 2021– June 2022

Developed the first [Named Entity Recognition System for Azerbaijani](#) language and led the research group of 3 senior students of ADA University.

- Created a benchmark, publicly available [dataset](#) containing 1,500 sentences and four different NER tags using IOB2 tagging.
- Implemented a BiLSTM-CRF [model](#) for classifications of entities in a given Azerbaijani text.
- Achieved a promising result with a high accuracy of 98% for detecting entities.

## Teaching Experience

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### ADA University

Undergraduate Teaching Assistant

Baku, Azerbaijan  
Feb 2021– Present

Developed and taught lectures during instructors' absences. Held tutorials, office hours and consulting hours for 5-6 hours per week. Graded homework, problem sets, projects.

- Fall 2022 CSCI 3613, Artificial Intelligence. 41 ADA University students.
- Spring 2022 [CSCI 2304](#), Data Structures and Algorithms. 119 ADA University students.
- Fall 2021 INFT 2301, Fundamentals of Databases. 47 ADA University students.
- Spring 2021 CSCI 2304, Data Structures and Algorithms. 81 ADA University students.

### ADA School

Adjunct Instructor of Computer Science, Academic Mentor

Baku, Azerbaijan  
Nov 2021– June 2022

Developed and taught lectures to high school students. Graded homework, projects and held exams, quizzes. Held office hours and consulting hours for 2-3 hours per week.

- Spring 2022 Basics of Programming in Python. 21 ADA School students.
- Fall 2021 Basics of Programming in Python. 10 ADA School students.

## Additional

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- Chair, ADA University ACM Student Chapter Sep 2020 – Aug 2022
- Founding GDSC Lead, ADA University Google Developer Student Club Sep 2020 – Aug 2021
- Participant, ACM womENCourage 2020 Sep 2020
- Host Technical Committee Member, International Olympics in Informatics (IOI) 2019 Aug 2019