

Mekan Myradov

Personal Webpage: <https://mekanmyradov.github.io/>

Email : mekan.myradov@sabanciuniv.edu

EDUCATION

- **Sabanci University** Istanbul, Turkey
MSc Student in Data Science; CGPA: 3.54
Courses: Machine Learning, Pattern Recognition, Deep Learning, Network Science, Big Data Processing
Statistical Inference, Engineering Optimization.
Sep 2022 - Current
- **Kirklareli University** Kirklareli, Turkey
BS in Software Engineering; GPA: 3.71
Sep 2018 - Jun 2022

SKILLS SUMMARY

- **Languages:** Python, C, C++, Java, Unix scripting
- **Tools:** PyTorch, GIT, Hadoop, Apache Spark, Snowflake

PUBLICATIONS

- Aissa Houdjedj, Yacine Marouf, **Mekan Myradov**, Onur Dogan, Burak Onur Erten, Oznur Tastan, Cesim Erten and Hilal Kazan, **SCITUNA: Single-Cell data integration tool using network alignment**, BMC Bioinformatics, 2025.

ACADEMIC PROJECTS

- **A Toolbox for ANOVA and Linear Regression:** Calculated confidence intervals and F-tests for 1-way ANOVA, 2-way ANOVA and Linear Regression utilizing Scheffe's and Tukey's methods given test contrasts. (May '25)
- **Synthetic Data Generation with Gaussian Mixture Models:** Implemented a synthetic data generation algorithm in Python using Gaussian Mixture Models. (Sep '23)

ACADEMIC ACTIVITIES

- **International Conference on Research in Computational Molecular Biology** Istanbul, Turkey
Student Volunteer Apr 16, 2023 - Apr 19, 2023
- **Workshop on the analysis and integration of scRNA-seq datasets** Antalya, Turkey
Participant Mar 23, 2023

EXPERIENCE

- **Sabanci University** Istanbul, Turkey
Teaching Asistant Sep 2022 - Current
 - **Courses:** Software Engineering, Advanced Programming
 - Held weekly recitation session and office hours.
 - Graded programming homework and examinations.
- **Kirklareli University** Kirklareli, Turkey
Research Intern - Asst. Prof. Dr. Edip Serdar GÜNER Nov 2021 - Jun 2022
 - Participated in the project that was about the creation and analysis of a Turkish drug reviews dataset from social media.
 - Created a dataset by compiling Turkish drug reviews from social media.
 - Analyzed dataset using text mining methods.
- **Cognitive AI** Istanbul, Turkey
Research Intern May 2021 - Sep 2021
 - Done research about feature detectors from images.
 - Ran experiments with SIFT, ORB, and SURF.
- **Mimix AI** Istanbul, Turkey
Research Intern Dec 2020 - Apr 2021
 - Done research about face swap algorithms.
 - Implemented various face swap algorithms and ran experiments.
- **Kirklareli University** Kirklareli, Turkey
Research Intern - Asst. Prof. Dr. Edip Serdar GÜNER Jul 2020 - Sep 2020
 - Done literature review about the online teaching-learning systems that are used commonly and open-source.
 - Prepared a detailed report about the systems so the Information Technology department of the university can benefit from it to modernize the system used by the university.

HONORS AND AWARDS

- TUBITAK Research Scholarship, 2022-2025.
- Sabanci University Graduate Student Scholarship for 2 years.