Mekan Myradov

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

EDUCATION

- **Sabanci University** — Istanbul, Turkey
  MSc in Data Science; GPA: 3.54 — *Sep 2022 - Current*
  Courses: Machine Learning, Pattern Recognition, Deep Learning, Network Science, Big Data Processing
  Statistical Modelling, Statistical Inference, Engineering Optimization.

SKILLS SUMMARY

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

PUBLICATIONS

- **SCITUNA: Single-Cell data integration tool using network alignment**, BMC Bioinformatics, 2025.

  Aissa Houdjedj, Yacine Marouf, **Mekan Myradov**, Onur Dogan, Burak Onur Erten, Oznur Tastan, Cesim Erten and Hilal Kazan

  [PDF] / [Code]

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)

  [PDF] / [Code]

- **Synthetic Data Generation with Gaussian Mixture Models**
  Implemented a synthetic data generation algorithm in Python using Gaussian Mixture Models. (Sep '23)

  [PDF] / [Code]

ACADEMIC ACTIVITIES

- **International Conference on Research in Computational Molecular Biology** — Istanbul, Turkey
  Participant — *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.

- **Cognitiwe 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.

HONORS AND AWARDS

- TUBITAK Research Scholarship, 2022-2025.

- Sabanci University Tuition Waiver Scholarship, 2022-2026.

LEAVES

- Military Service, Feb 2024 - Feb 2025.