

Berke Dilekoglu

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EDUCATION

SABANCI UNIVERSITY

MSc IN COMPUTER SCIENCE

July 2022 | Istanbul, TR

Thesis Subject: SUMONet: Deep Sequential Prediction of SUMOylation Sites

GPA:3.77/4.00

SABANCI UNIVERSITY

BS IN COMPUTER SCIENCE

Sep 2019 | Istanbul, TR

GPA:3.54/4.00

BS IN MECHATRONICS

Sep 2018 | Istanbul, TR

GPA:3.50/4.00

LINKS

Personal://berkedilekoglu

Github://berkedilekoglu

LinkedIn://berkedilekoglu

Medium://@berkedilekoglu

Scholar://berkedilekoglu

COURSEWORK

GRADUATE

Machine Learning

(Research Asst. & Teaching Asst 3x)

Advanced Natural Language Processing

Deep Learning

Graph Theory

UNDERGRADUATE

Data Structures and Algorithms

Linear Algebra

Probability and Statistics

Artificial Intelligence

SKILLS

PROGRAMMING

Languages:

Python • SQL • Unix shell

Packages:

TensorFlow • Pandas • Scikit-learn •

Hugging Face

Familiar:

C++ • AWS

EXPERIENCE

GINOA.IO | MACHINE LEARNING ENGINEER

March 2023 - Present | New York, US

- Developing a cost-effective chatbot utilizing ChatGPT API, NLP tools, and prompt engineering.

HUAWEI | NLP RESEARCH ENGINEER

March 2021 - March 2023 | Istanbul, TR

- Working on the data side of the MLOps pipeline by using SQL and Hive.
- Improvement of app tagging pipeline by pre-processing steps and using transformers.
- Improvement of query expansion pipeline to improve elastic search results on the Huawei App Gallery.
- Implementing a keyword extraction pipeline to improve elastic search results on the Huawei App Gallery.

FORD MOTOR COMPANY TURKEY | VISITOR RESEARCHER

Sep 2017 - May 2018 | Istanbul, TR

- Implemented an image stitching pipeline to create 360 degrees of view.
- Adaptation of real-time object detection and avoidance algorithms on image stitching pipeline.

DURHAM UNIVERSITY | VISITOR RESEARCHER

June 2017 - Aug 2017 | Durham, UK

- Tested ready-to-use person re-identification algorithm on the synchronized thermal camera system.

RESEARCH

SABANCI UNIVERSITY TASTAN LAB | MSc. RESEARCHER

Jan 2019 - Jan 2022 | Istanbul, TR

- Collaborated with Assistant Professor Oznur Tastan to develop SUMONet, a deep learning tool which accurately predicts SUMOylation sites by using the mix of CNN and BiDirectional GRU architecture.

PERSONAL PROJECTS

2022 **Warner-Me**: Rest-API to inform users when their code is compiled via Telegram

AWARDS

2019	Academic Record	High Honor Scholarship
2016-2019	CGPA > 3.5	Dean's High Honor List
2013	98 th /1.5M	High Honor Scholarship

PUBLICATIONS

- [1] S. Mağara, C. Yıldırım, F. Yaman, B. Dilekoglu, F. R. Tuta, E. Öztürk, K. Kaya, T. Taştan, and E. Sava. MI with he: Privacy preserving machine learning inferences for genome studies, 2021.
- [2] A. Nabi, B. Dilekoglu, O. Adebali, and O. Tastan. Discovering Misannotated lncRNAs using Deep Learning Training Dynamics. *Bioinformatics*, 12 2022.
- [3] C. Özbey, B. Dilekoglu, and S. Açıksöz. The impact of ensemble learning in sentiment analysis under domain shift. In *2021 Innovations in Intelligent Systems and Applications Conference (ASYU)*, pages 1–6, 2021.