İrem Sönmez

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✉ irmsonmz@gmail.com

in https://www.linkedin.com/in/irem-sönmez/

GitHub https://github.com/irmsonmz

Born 07 Nov 1996

WORK EXPERIENCE

November 2021 – Ongoing

RD Engineer
Virasoft Software Solutions, Istanbul
- Generating data and extracting meaningful data from the results obtained from the pathology laboratory
- Researching ML algorithms to classify mass/tumors
- Research on obtaining data from medical images

September 2020 – January 2021

Biomedical Engineer Intern
TOBB University of Economics and Technology, Ankara
- Having information about company establishment processes and required documents
- Market research on the implant industry

January 2020 – April 2020

Biomedical Engineer Intern
Nanomagnetics Instruments, METU ,Ankara
- Analysis of atomic force microscope data and RD studies
- Conducting mode tests of the atomic force microscopes

April 2019 – August 2019

Biomedical Engineer Intern
Hospital of TOBB ETU, Ankara
- Examination of medical devices and learning the working principles
- Repair, maintenance and calibration of medical devices

EDUCATION

2022 – Ongoing

M.Sc. in Computer Engineering
M.Sc. Computer Engineerings, Baskent University

2015 – 2021

B.Sc. in Biomedical Engineering
B.Sc. in Biomedical Engineering, TOBB University of Economics and Technology.
GPA: 2.86

PROJECTS

Senior Project

Classification of Attention Deficit Hyperactivity Disorder (ADHD) and Control Children with using EEG signals
- MATLAB - KNN, SVM, ANN

Master of Science Project

Diagnosis of Heart Disease from The Cleveland Heart Disease Dataset
- Python (Numpy, Pandas, Scikit learn, Seaborn) - KNN, SVM, ANN

Master of Science Project

Diagnosis of Stroke
- Python (Numpy, Pandas, Scikit learn, Seaborn) - Decision Tree, KNN

Master of Science Project

Counting Matches in the Picture
- Python (OpenCV, Numpy, Matplotlib)

Competition Project

Housing Price Forecast
- Python - KNN, Random Forest

SKILLS

Languages
- Turkish – Native Speaker
- English – Upper Intermediate
- German – Beginner

Certificates	• MIUUL Data Science Bootcamp 2022 - Python Programming for Data Science
	• MIUUL Data Science Bootcamp 2022 - Feature Engineering
	• MIUUL Data Science Bootcamp 2022 - Machine Learning
	• Global AI HUB 2022 - AI Summer Camp

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- MIUUL Data Science Bootcamp 2022 - Python Programming for Data Science
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Memberships

- Member of Health and Biomedical Sciences Community (Education and Communication Committee Member (2018-2019))
- Uni4Society (Organization Member (2019))
- Comenius Multicultural Project (2009)

Qualifications

- Python
  – Knowledge of Pandas, Numpy, Scikit-Learn libraries
- Machine Learning Algorithms
  – Regressions
  – KMeans, K-Nearest Neighbors, Support Vector Machines, Artificial Neural Networks
- C++
  – Basics of C++
- Matlab
  – Knowledge of Matlab Language
- SQL
  – PostgreSQL, MySQL, SQLite
  – Knowledge of SQL
- Version Control
  – GitHub