SELİM YÜREKLİ
COMPUTER ENGINEERING STUDENT

AREAS OF EXPERTISE
Advanced Algorithms
Software Development
Computer Vision
Deep Learning

CAREER GOAL
To be a well-qualified engineer and researcher in order to solve real-life problems with deterministic, stochastic and statistical algorithms.

PERSONAL INFORMATION
Date of Birth: 05.09.2000
Nationality: Turkey
Phone Number:+905071538005
Driver's License: B Category
Email:selim.yurekli@outlook.com

WORK EXPERIENCE

RESEARCH INTERN- BASIRA LAB
2022 June- Current
-Predictive Uncertainty Under Target Domain Shifts using Ensemble of GNNs.
-We unprecedentedly propose a deep graph ensemble of regression GNNs for estimating predictive uncertainty under domain shifts.
-Pytorch

SOFTWARE ENGINEERING INTERN-ASELSAN
2022 Aug- 2022 Sept (1 mon)
-I built a thermal camera control application in web and a camera simulation in Windows using C#(ASP.NET, DOTNET Core).
-Object Oriented Programming(OOP) with SOLID principles.
-Also build an demo application using Texas Instruments Microprocessor.

RESEARCH INTERN - SIMIT LAB
2021 Dec - 2022 May (5 mon)
- We verified the signature whether it is fake or not using sequential data (On-Line Signature Verification).
- Time Series Analysis, CNN, RCNN, DTW.
- Pytorch,Tensorflow,Keras

SOFTWARE ENGINEERING INTERN - TURKISH AEROSPACE IND.
2021 Dec - 2022 May (6 mon)
- We built a windows service application to optimize software licences usage. With this application, we saved approximately a million dollar for the company.
- Designing efficient algorithms to optimize custom windows service.
- Bug fixing and detecting.
- .NET Framework, Elastic Search and LogStash

RESEARCH INTERN - ZARARSIZ LAB
2021 Sept- 2021 Oct (2 months)
-We proposed a method for drug discovery and active-inactive classification of virus protein molecules using DNN and CNN networks. With this work, phase 1 during vaccinaction exploration can be passed effortless.
- Numerical and visual inbalanced data interpretation with statistical approaches
- Tensorflow, R
- zararsizlab.erciyes.edu.tr

EDUCATION BACKGROUND

Bachelor Of Science(BSc)
Istanbul Technical University, Computer Engineering, 2024(Expected)
GPA: 3.55

PROJECT TEAMS

Software Team Captain- AZURE UAV Team
2021 March - 2021 Nov
-Smart Ammution carried by another UAV whose all missions completed autonomously.
-Python,Tensorflow, CUDA programming
-Deep Sort Algorithm, Socket Programming, Ammution Mission Algorithm Design

Software Team Member-ITU ROV Team
2021 Nov - 2022 June
-MATE ROV 2022 Turkey Winner, MATE ROV 2022 Global 3rd
-Teknofest 2022 Underwater Systems Winner
-Object Detection,Image Processing

PUBLISHMENTS

- Yürekli, S., Demirtaş, M.A., Rekik, I. (2022). Quantifying the Predictive Uncertainty of Regression GNN Models Under Target Domain Shifts.
https://doi.org/10.1007/978-3-031-16919-9_14
Paper: https://lnkd.in/dwZY55_3
Paper Presentation Video: https://lnkd.in/dtxjH4kA
Code: https://lnkd.in/dqc_FJ2F
Code Demo Video: https://lnkd.in/dsNn-NA9

SKILLS
-Database Systems
-Software Development(Backend)
-Embedded Systems
-Object Oriented Programming
-Advanced Data Structures and Advanced Algorithms
-Artificial Intelligence,Machine Learning, Deep Learning
-Computer Vision

CERTIFICATES
-Deep Learning Specialization by Deep Learning.ai
-Machine Learning by Deep Learning.ai

REFERENCES
-Doç. Dr. Ali Çakmak
-Doç. Dr. Mehmet Tarık Atay