Gokberk Yar

Email: yar.g@northeastern.edu
LinkedIn: gokberkyar
GitHub: github.com/gokberkyar

Education

Northeastern University — Boston, USA
Ph.D. Student in Computer Science and Engineering — 2021 - Present

- Area: Machine Learning, Distributed Systems, GPA: 4.00/4.00
- Focus: Machine Learning Security, Federated Learning

Sabanci University — Istanbul, Turkey
B.S. in Computer Science and Engineering, GPA: 3.97/4.00, Ranking: 1st/133 — 2017 – 2021

Experience

Allianz Insurance Turkey — Istanbul, Turkey
Data Scientist, Part-time Online Intern — July 2020– January 2021

- Generated models on Turkish semantic analysis & Collected data through web scraping
- Used Python, Keras and BERT for model creation

Finnish Environment Institute (SYKE) — Helsinki, Finland
Computer Vision Engineer, Part-time Online Intern — July 2020 – January 2021

- Created and evaluated image segmentation models on drone images collected by SYKE
- Constructed a pipeline through AWS Sagemaker for labeling, training and evaluation
- Prepared a github repo, docker images and scientific report

Projects

Productivity tool for online meetings — Istanbul, Turkey
Full stack Developer & Data-scientist (2 People Team) — November 2021 – July 2021

- Used Tech. Stack: React, Material UI, Django, Django Channels, PostgreSQL, Redis, Docker, Tensorflow
- Implemented Trello like board with machine learning (clustering)

Chatbot for meeting scheduling
Full stack Developer & Data-scientist (3 People Team)

- Used Tech. Stack: React, Material UI, Redux, Node.js, Docker, Rasa
- Implemented Slack/Google Chat Chatbot with web dashboard

Social Media Clone
Cross Platform App Developer (5 People Team)

- Used Tech. Stack: Flutter, Dart, GetX, Firebase
- Implemented Instagram like social media app

NFT MarketPlace for Ethereum Blockchain
Frontend & Smart Contract Developer (4 People Team)

- Used Tech. Stack: React, Material UI, Recoil, Truffle, Ganache, Docker, Solidity, Mocha
- Implemented game like marketplace for NFTs

Sparse Matrix Cycle Count
Cuda & C++ Developer (5 People Team)

- Used Tech. Stack: C++, CUDA, OPENMP
- Implemented Multi-GPU and Multi-CPU Algorithms for Sparse Matrix Cycle Count