Kadir Bulut Ozler

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Education

University of Arizona August 2020 – May 2025

Doctor of Philosophy (PhD), Information (Major), Statistics and Data Science (Minor), *4.0/4.0* Tucson, AZ

- Notable Coursework: Statistical Natural Language Processing, Neural Networks, Data Mining

Istanbul Technical University September 2016 – June 2020

Bachelor of Science (B.S.), Computer Engineering (Major), *3.5/4.0* Istanbul, TR

- Notable Coursework: Analysis of Algorithms, Natural Language Processing, Computer Architecture

Experience

University of Arizona, Computational Language Understanding Lab Tucson, AZ

Graduate Research Associate January 2021 – Present

- Working on temporal information extraction with state of the art language models, focus on medical domain

Intern June 2019 – December 2019

- Worked on detecting incivility on the internet
- Researched and analyzed robust classification methods that can work on datasets with different characteristics and different domains

CicekSepeti.com / Lolaflora.com Istanbul, TR

Data Science Intern March 2020 – July 2020

- Worked on detecting similarity between millions of products by description and images
- Worked on improving search quality

Istanbul Technical University Istanbul, TR

Research Member June 2018 – July 2020

- Worked on analyzing offensive language in social media with transfer learning and other methods
- Researched training several language models for Turkish (a low resource language)
- Built an ear landmark detector with low quality images dataset using deep CNNs for "The Unconstrained Ear Recognition Challenge 2019"
- Built a sentence splitter tool by using JAVA and Regex for ITU Turkish NLP Pipeline

Skills

Key Areas: Data Structures and Algorithms, Neural Networks, Machine Learning, Natural Language Processing
Databases: MySQL, PostgreSQL
Languages: Python, C++
Frameworks/Libraries: Keras, TensorFlow, PyTorch, scikit-learn, NumPy, Flask
Other: Docker, Git, HPC

Projects

Ear Landmark Detection with CNN

- The goal of the project: detecting locations of the anatomical landmarks on given human ear images
- Keywords: Computer Vision, Landmark Detection, Deep Learning, Keras, CNN, Python

Fine tuning BERT for multi label or binary classification

- The goal of the project: classifying text into single or multiple labels by using a language model
- Keywords: Natural Language Processing, Text Classification, Deep Learning, transformers, Python

NLP applications with Apple's createML

- The goal of the project: publishing documented examples of NLP applications with Apple's createML
- Keywords: Natural Language Processing, Machine Learning, Apple, createML, swift