Kadir Bulut Ozler

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Education

University of Arizona   August 2020 – May 2025
Doctor of Philosophy (PhD), Information (Major), Cognitive Science (Minor), *3.93/4.0*   Tucson, AZ
  - Notable Coursework: Natural Language Processing, Neural Networks, Bayesian Inference, Theory of Probability

Istanbul Technical University   September 2016 – June 2020
Bachelor of Science (B.S.), Computer Engineering (Major), *3.48/4.0*   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 Clinical NLP tasks using massive LLMs with limited resources under the guidance of Dr. Steven Bethard
  - Worked on indirect answer classification, medical dialogue summarization, published in peer reviewed WS and conferences
  - Worked on several other machine learning tasks such as named entity recognition, fake news detection and speech processing

Intern   June 2019 – December 2019
  - Used and modified the pipeline for BERT language model to detect incivility on the internet
  - Researched and analyzed robust classification methods that can work on datasets with different features and different domains
  - Achieved new state of the art results on used datasets and published a paper on the study

CicekSepeti.com / Lolaflora.com   Istanbul, TR
Machine Learning Intern   March 2020 – July 2020
  - Worked on detecting similarity between millions of products by description and images, accelerated the pipeline significantly
  - 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 from scratch 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 with 99% accuracy

Skills

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

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 transformers 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, Sentiment Analysis, 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