TOLGA IZDAS

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EDUCATION

Bachelor of Science in Computer Engineering   Expected Jun 2025
Yildiz Technical University   Istanbul, Turkiye
- GPA: 3.59/4.0

PROFESSIONAL EXPERIENCE

Software Engineer Intern   Jul – Sep 2024
Turk Telekom   Izmir, Turkiye
- Designed a database for the company inventory from scratch using SQLite.
- Implemented an interface and database operations, including authorization and data integrity measures, using the Django framework.
- Improved the data retrieval and processing speeds, contributing to more efficient inventory management.

Software Engineer Intern   Jul – Aug 2023
SESTEK   Istanbul, Turkiye
- Developed a product that summarizes provided voice input using JavaScript and API.
- Added a module to an existing product that allows the user to read sent HTTP data in a web interface, facilitating real-time data analysis and visualization.

RESEARCH EXPERIENCE

Research Scholar   Jul 2024 – Present
COSMOS AI Research Group   Istanbul, Turkiye
- Conducting benchmarks on LLMs using few-shot learning, contributing to the advancement of model evaluation techniques.
- Creating and curating datasets for evaluating text generation models, ensuring high-quality data for accurate model performance assessments.
- Fine-tuning LLMs for specific tasks, improving their performance in domain-specific applications.
- Writing and maintaining scripts for automated model evaluation and result analysis, leading to improved evaluation efficiency.

PROJECTS

Undergraduate Project: Occupation Prediction from Twitter Data   Jun 2024
- Developed a machine learning based project to predict occupations from Turkish tweets.
- Applied natural language processing (NLP) techniques to analyze and classify Twitter data.
- Accepted for publication in DEU FMD, co-authored with Prof. Banu Diri.

AWARDS AND HONORS

STAR Intern Researcher Scholarship   Jul 2024
TUBITAK (Scientific and Technological Research Council of Turkiye)
- Awarded a research intern scholarship for the project 'New Approaches for Text Representation and Text Generation with Neural Language Models', conducted by Prof. Mehmet Fatih Amasyali.

National Science Olympiads in Computer Science   May 2019
TUBITAK (Scientific and Technological Research Council of Turkiye)
- Ranked 55th out of 600 students in the National Science Olympiads in Computer Science.

SKILLS

Technologies: Python, Java, C, SQL, JavaScript, Jupyter Notebook, MATLAB
Libraries: TensorFlow, PyTorch, NumPy, Pandas, Keras, scikit-learn, Matplotlib, Apache Hadoop, Django
Tools: Git, Google Colab, Hugging Face, Kaggle, PyCharm

LANGUAGES

Turkish: Native
English: Advanced | TOEFL iBT: 98/120