

Asst. Prof. Resul TUGAY

Personal Information

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International Researcher IDs

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Education

Doctorate, University of Edinburgh, school of informatics, data science and artificial intelligence, England 2019 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2015 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2010 - 2015

Undergraduate, Comillas Pontifical University, ICAI, Computer Science, Spain 2013 - 2014

Research Areas

Natural Language Processing, Text/Document Processing, Pattern Recognition and Image Processing, Neural Networks

Academic Positions

Lecturer, Gazi University, Mühendislik Fakültesi, 2023 - 2025

Research Assistant, University of Edinburgh, School of Informatics, Computer Science, 2021 - 2022

Research Assistant, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, 2015 - 2019

Courses

Postgraduate

Data Mining, Postgraduate, 2023 - 2024

Data Mining, Postgraduate, 2023 - 2024

Undergraduate

Special Topics in CENG, Undergraduate, 2023 - 2024

Uygulamalı Yapay Zeka, Undergraduate, 2023 - 2024

Journal articles indexed in SCI, SSCI, and AHCI

I. Learning and Deducing Temporal Orders

Fan W., Tugay R., Wang Y., Xie M., Ali M. A.

PROCEEDINGS OF THE VLDB ENDOWMENT, vol.16, no.8, pp.1944-1957, 2023 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **IBB traffic graph data: Benchmarking and road traffic prediction model**
Oluğ E., Kaya Ünal K., Tugay R., Öğüdücü Ş.
IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks, Athens, Greece, 21 - 23 October 2024, pp.1-9, (Full Text)
- II. **Data Augmentation in Graph Neural Networks: The Role of Generated Synthetic Graphs**
Baş S., Kaya Ünal K., Tugay R., Öğüdücü Ş.
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Vilnius, Lithuania, 9 - 13 September 2024, pp.1-11, (Full Text)
- III. **A GNN Model with Adaptive Weights for Session-Based Recommendation Systems**
Ozbay B., Tugay R., Öğüdücü Ş.
9th International Conference on Machine Learning Technologies (ICMLT), Oslo, Norway, 24 - 26 May 2024, pp.258-264, (Full Text)
- IV. **Enhancing Cross-Market Recommendation System with Graph Isomorphism Networks: A Novel Approach to Personalized User Experience**
Öztürk S., Ercan A. B., Tugay R., Öğüdücü Ş.
9th International Conference on Machine Learning Technologies (ICMLT), Oslo, Norway, 24 - 26 May 2024, pp.251-257, (Full Text)
- V. **Linking Entities across Relations and Graphs**
Fan W., Geng L., Jin R., Lu P., Tugay R., Yu W.
38th IEEE International Conference on Data Engineering (ICDE), ELECTR NETWORK, 9 - 11 May 2022, pp.634-647, (Full Text)
- VI. **Hotel Recommendation System Based on User Profiles and Collaborative Filtering**
Turker B. B., Tugay R., Kizil I., Öğüdücü Ş.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.601-606, (Full Text)
- VII. **A Deep Hybrid Model for Recommendation Systems**
Cakir M., Öğüdücü Ş., Tugay R.
18th International Conference of the Italian-Association-for-Artificial-Intelligence (AIIA), Rende, Italy, 19 - 22 November 2019, pp.321-335, (Full Text)
- VIII. **Demand Prediction using Machine Learning Methods and Stacked Generalization**
Tugay R., Öğüdücü Ş.
6th International Conference on Data Science, Technology and Applications (DATA), Madrid, Spain, 24 - 26 July 2017, pp.216-222, (Full Text)

Funded Projects

Tugay R., Türker B. B., TUBITAK Project, YAPAY ZEKA DESTEKLİ E-POSTA GÖNDERİCİ ALAN ADI İTİBARI VE KONTAKT SEGMENTASYONU, 2025 - 2026

Öğüdücü Ş., TUBITAK Project, ADAY VE İŞ İLANI PLATFORMLARI İÇİN DERİN ÖĞRENME YÖNTEMLERİ İLE KARŞILIKLI ÖNERİ SİSTEMİ, 2017 - 2019

Activities in Scientific Journals

Sinop Üniversitesi Fen Bilimleri Dergisi, Editor, 2025 - Continues

Peer Reviews in Scientific Publications

Conference on Neural Information Processing Systems, Conference Paper (Full Text), May 2025

International Conference on Learning Representations, Conference Paper (Full Text), August 2024
Association for the Advancement of Artificial Intelligence, Conference Paper (Full Text), August 2024
International Conference on Learning Representations, Conference Paper (Full Text), June 2024

Metrics

Publication: 9
Citation (WoS): 30
Citation (Scopus): 48
H-Index (WoS): 4
H-Index (Scopus): 4

Invited Talks

Learning, Linking and Deducing Entities, Seminar, Boğaziçi Üniversitesi, Turkey, April 2025
AI projects, Seminar, Gazi Üniversitesi, Turkey, June 2024
Artificial Intelligence, Seminar, İstanbul Teknik Üniversitesi, Turkey, April 2024

Non Academic Experience

Company, BTS Group, Yapay Zeka, Yapay Zeka Araştırmacısı
Company, TikTok, BRICS, Yapay Zeka Araştırmacısı
Company, Huawei, Recommender System, Yapay Zeka Araştırmacısı
Company, n11.com, yapay zeka, Yapay Zeka Araştırmacısı
Company, Kariyer.net, Yapay Zeka, Yapay Zeka Araştırmacısı
Company, ETS , Yapay Zeka, Yapay Zeka Araştırmacısı
Company, Agito Yazılım Danışmanlık, Backend, PLSQL Developer