

Yasin Atıkan

RESEARCH ASSISTANT · ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING DEPARTMENT

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Education

Ankara University, Department of Computer Engineering

Ankara, Türkiye

PHD IN COMPUTER ENGINEERING

Feb. 2024 – Present

- Advisor: Prof. Mehmet Serdar Güzel
- Current GPA: 4.00 / 4.00
- PhD research on Deep Reinforcement Learning for Contact-Rich Robotic Manipulation Tasks

Erciyes University, Department of Computer Engineering

Kayseri, Türkiye

MSC IN COMPUTER ENGINEERING

Sep. 2020 – Sep. 2023

- Advisor: Asst. Prof. Dr. Fehim Köylü
- Graduated with a GPA of 3.88 / 4.00
- Thesis: Autonomous System Design by Modeling the Problem of Overtaking the Front Vehicle Using Deep Reinforcement Learning

Süleyman Demirel University, Department of Computer Engineering

Isparta, Türkiye

BSc IN COMPUTER ENGINEERING

Sep. 2013 – Jun. 2018

- Graduated with a GPA of 3.17 / 4.00
- Completed English Preparatory Program (2013 – 2014)
- Senior project on mobile game development with augmented reality, supervised by Asst. Prof. Dr. Fatih Gökçe

Anadolu University, Open Education Faculty

Eskişehir, Türkiye

ASSOCIATE DEGREE IN WEB DESIGN AND CODING

Sep. 2016 – Jul. 2018

- Graduated with a GPA of 2.69 / 4.00

Professional Experience

2023 - **Research Assistant**, Department of Artificial Intelligence and Data Engineering, Ankara University

2018 - 2019 **Reserve Officer**, Turkish Armed Forces

2017 - 2017 **Software Intern**, Vega Yazılım

2016 - 2016 **Hardware Intern**, Electro Mechanic Devices Factory

Publications

PUBLISHED

Atıkan, Y., Kirik, B., Acikbas, E. T., Ekinci, F., Acici, K., Asuroglu, T., Benzer, R., Guzel, M. S., & Benzer, S. (2025). Enhancing crayfish sex identification with Kolmogorov-Arnold networks and stacked autoencoders. *Scientific Reports*.

Atıkan, Y., Kirik, B., Acici, K., Benzer, R., Ekinci, F., Guzel, M. S., Benzer, S., & Asuroglu, T. (2024). Advancing crayfish disease detection: A comparative study of deep learning and canonical machine learning techniques. *Applied Sciences*, 14(14), 6211.

Köylü, F., & **Atıkan, Y.** (2024). Otonom araçlarda derin pekiştirmeli öğrenme yöntemleri ile sollama (Overtaking with deep reinforcement learning methods in autonomous vehicles). *Nigde Omer Halisdemir University Journal of Engineering Sciences*, 13(2), 429–439.

Teaching Experience

Fall 2023–2024 **YZM101 Introduction to Programming, YZM201 Data Structures and Algorithms II, YZM205 Object Oriented Programming**, Teaching Assistant

Spring 2023–2024 **YZM102 Data Structures and Algorithms I, YZM208 Machine Learning I**, Teaching Assistant

Fall 2024–2025 **YZM101 Introduction to Programming, YZM201 Data Structures and Algorithms II, YZM311 Database Management Systems**, Teaching Assistant

Spring 2024–2025 **YZM212 Machine Learning, YZM304 Deep Learning**, Teaching Assistant

Fall 2025–2026 **YZM101 Introduction to Programming, YZM211 Analysis of Algorithms, YZM319 Database Management Systems**, Teaching Assistant

Spring 2025–2026 **YZM304 Deep Learning**, Teaching Assistant