AHMED SAID DONMEZ

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https://saiddonmez.github.io

I am looking for a **Ph.D. program on robotics**. I have strong background and research experience on multi-agent reinforcement learning and game theory with publications in **top-tier journals and conferences** as the leading author. I have two-year **industrial experience** on applying deep learning to audio processing and computer vision.

EDUCATION

Bilkent University — Ankara, Turkey
M.S. in Electrical and Electronics Engineering — 2023-2025 (Expected)
Advisor: Muhammed Omer Sayin — GPA: **4.0** / 4.0
Tentative Thesis Title: Multi-Team Reinforcement Learning

Bilkent University — Ankara, Turkey
B.S. in Electrical and Electronics Engineering — 2018 – 2023
GPA: **3.96** / 4.0

FELLOWSHIPS & AWARDS

- International Young Researchers **Scholarship** from The Scientific and Technological Research Council of Türkiye (TUBITAK) during my M.S. studies
- **Ranked 5th** in graduating from the Electrical and Electronics Engineering Department
- High Achievement **Scholarship** from the Republic of Turkey Prime Ministry during my B.S. studies
- **Ranked 2nd** in the 2018 **Nationwide University Entrance Examination in Turkey** *(among 2 million high school students who took the exam)*
- **Silver Medal** in the 2017 **Turkish National Mathematics Olympiad**
- **Gold Medal** in the 2014 **Junior Balkan Mathematical Olympiad (JBMO)**

PUBLICATIONS

- **A. S. Donmez,** O. F. Saglam, and M. O. Sayin. Multi-team reinforcement learning, *working paper*, 2025.
- **A. S. Donmez** and M. O. Sayin. Eyes on the others: Efficiency of observing actions in networked multi-agent learning, working paper, 2025.
- **A. S. Donmez,** O. Unlu, and M. O. Sayin. Logit-Q dynamics for efficient learning in stochastic teams, *SIAM Journal on Control and Optimization*, under (third round) review, 2024.
- **A. S. Donmez**, Y. Arslantas, and M. O. Sayin. Team-fictitious play for reaching team-Nash equilibrium in multi-team games. In *Advances in Neural Information Processing Systems (NeurIPS)*, 2024.
- **A. S. Donmez** and M. O. Sayin. Generalized individual Q-learning for polymatrix games with partial observations, In *IEEE Conf. on Decision and Control (CDC),* 2024.

INDUSTRIAL EXPERIENCE

InterLabs Advanced Technologies — Ankara, Turkey
Research and Development Engineer — Aug. 2023 - Oct. 2023

- Research and development on audio recognition, noise cancellation, and source localization on microphone arrays. Microphone array design for UAVs

InterLabs Advanced Technologies — Ankara, Turkey
Engineer Trainee — Aug. 2022 - Aug. 2023

- Research on computer vision, machine learning, audio recognition, noise cancellation, and source localization
- Research and Implementation of state-of-the-art Super-Resolution algorithms
- Research on clothing and attribute recognition from images.
- Implementation of Speech Distortion Weighted Multichannel Wiener Filter for adaptive noise canceling.
- Implementation and comparing of the performances of different variants of source localization algorithms such as GCC, MVDR, DS.
- Implementation of LSTM for voice detection task.

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

IEEE and IEEE Control Systems Society Member since 2024

REFERENCES

- **Assistant Professor Muhammed Omer Sayin** — sayin@ee.bilkent.edu.tr
  Department of Electrical and Electronics Engineering
  Bilkent University
- **Professor Sinan Gezici** — gezici@ee.bilkent.edu.tr
  Department of Electrical and Electronics Engineering
  Bilkent University
- **Professor Serdar Yuksel** — yuksel@queensu.ca
  Department of Mathematics and Statistics
  Queen's University