



Oğul Can Yurdakul

Short CV

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📍 Ankara, Turkey
in /in/oc-yurdakul

Skills

Natural Languages: Turkish (Native Speaker), English (Advanced), French (Intermediate)

Programming Languages: MATLAB, Python, Assembly (ARM Thumb2), ANSI Common LISP

Research Interests

- Statistical Signal Processing
- Computational Neuroscience
- Cognitive Science

Education

10/2021 – Present	M.Sc. in Electrical and Electronics Engineering <i>Specialization Area: Signal Processing</i>	METU EEE ↗
10/2017 – Present	B.Sc. in Mathematics (Double Major) CGPA: 3.84 / 4.00 High Honour Expected Graduation: June 2022	METU MATH ↗
10/2016 – 02/2021	B.Sc. in Electrical and Electronics Engineering CGPA: 3.76 / 4.00 High Honour Specialization Area: Biomedical Engineering	METU EEE ↗

Work Experience

09/2019 – Present	Lab Member Under the supervision of Assoc. Prof. Dr. Emre Özkan, I study statistical signal processing, with emphasis on particle filters.	METU EEE Sensor Fusion Group ↗
07/2019 – 09/2019	Summer Intern in Research I worked on the problem of classifying healthy subjects and those with Parkinson's Disease, proposed a new feature extraction technique based on Local Binary Patterns, and showed that it was useful in classification. (See the paper below.)	KITS, Coimbatore, India ↗

Publications

2020	1. Yurdakul, O. C. , Subathra, M. & George, S. T. Detection of Parkinson's Disease from gait using Neighborhood Representation Local Binary Patterns. <i>Biomedical Signal Processing and Control</i> 62, 102070. doi:10.1016/j.bspc.2020.102070 (2020).
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Leadership and Teaching Experience

07/2021	Teaching Assistant for Tutorials Formerly an interactive student of NMA 2020, I was responsible for a pod (6 students) in the NMA CN online summer school for 3 weeks. I helped the students go over tutorials about fundamental topics on computational neuroscience and develop a project, answered their questions about the coding exercises and the underlying theory.	NMA CN Summer School ↗
02 – 07/2020 & 10 – 12/2018	Part-time Student Assistant I was the student assistant for the course MA153 Calculus for Mathematics Students I (Fall 2018) and MA154 Calculus for Mathematics Students II (Spring 2020). I graded weekly assignments and provided feedback to students.	METU MATH ↗