



# Oğul Can Yurdakul

Short CV, Last Updated July 19, 2022

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## Languages

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

**Formal:** MATLAB, Python, Assembly (ARM Thumb2), ANSI Common LISP, WebPPL, C

## Research Interests

- Statistical Signal Processing
- Computational Neuroscience
- Cognitive Science

## Education

10/2021 – Present	<b>M.Sc. in Electrical and Electronics Engineering</b> <i>Specialization Area: Signal Processing   CGPA: 3.90 / 4.00</i>	<u>METU EEE</u>
10/2017 – 07/2022	<b>B.Sc. in Mathematics (Double Major)</b> <i>CGPA: 3.87 / 4.00</i>	<u>METU MATH</u>
10/2016 – 02/2021	<b>B.Sc. in Electrical and Electronics Engineering</b> <i>Specialization Area: Biomedical Engineering   CGPA: 3.76 / 4.00</i>	<u>METU EEE</u>

## Publications

2020	1. <b>Yurdakul, O. C.</b> , 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> <b>62</b> , 102070. doi:10.1016/j.bspc.2020.102070 (2020).
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## Work Experience

02/2022 – Present	<b>Research Assistant</b> <i>I work as a teaching assistant for various courses, mostly related to my field of study. For the Spring 2021-2022 term, I was responsible for EE230 and the updated EE306 courses.</i>	<u>METU EEE Staff Profile</u>
09/2019 – Present	<b>Lab Member</b> <i>Under the supervision of Dr. Emre Özkan, I study statistical signal processing, with emphasis on particle filters and Chernoff fusion.</i>	<u>METU EEE Sensor Fusion Laboratory</u>
07/2019 – 09/2019	<b>Summer Intern in Research</b> <i>I proposed a new feature extraction method based on Local Binary Patterns, and showed that it was beneficial in a classification task [1].</i>	<u>Karunya Institute of Technology and Sciences, India</u>

## Leadership and Teaching Experience

07/2021	<b>Teaching Assistant for Tutorials</b> <i>I was responsible for a pod (6 students) in NMA CN online summer school for 3 weeks. I helped them go over tutorials about fundamental topics on computational neuroscience and develop a project, answered their questions about the coding exercises and the underlying theory.</i>	<u>NMA CN Summer School Curriculum</u>
02 – 07/2020 & 10 – 12/2018	<b>Part-time Student Assistant</b> <i>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.</i>	<u>METU MATH</u>