ENES ALTUN

Driven by an insatiable curiosity about the human visual system, I've explored both low-level and high level visual processes using various psychophysical techniques. At the core of my research endeavors is a deep-seated love for science and an ever-evolving quest to understand human vision and perception

EDUCATION

2020 — **Akdeniz University Department of Psychology**
B.A. in Psychology — Antalya, Turkey

2022 — **Akdeniz University Department of Psychology**
M.A in Psychology — Antalya , Turkey

Thesis: *Visual Processing Of Different Race And Great Ape Faces In The Context Of Spatial Frequency: An ERP Study* *http://dx.doi.org/10.2139/ssrn.4330815*

RESEARCH EXPERIENCE

2017 | 2021 — **Undergraduate Research Assistant**
Akdeniz University Cognitive Neuroscience Lab — Antalya, Turkey

- I worked on EEG: which includes data collecting, data wrangling ,analyzing, performing ML models, and experimental designs.
- Developing small electronic devices such as GSR (Galvanic Skin Response) and Robotic Finger with ARDUINO + Python.

2021 | 2023 — **Graduate Research Assistant**
Akdeniz University Cognitive Neuroscience Lab — Antalya, Turkey

- Image processing, computer vision models, machine learning models, data wrangling, experimental designs, EEG data collecting, EEG data analyzing.

INDUSTRY EXPERIENCE

2023 | Ongoing — **Rust Developer**
Sobel.io — Remote, Stockholm, Sweden

- **Project**: Working on an AI project.
- **Technologies**: Development of desktop application with Tauri: **Rust** for system performance enhancements and **TypeScript** for improving data analysis precision.
- **Contributions**: Spearheaded the adaptation of computer vision models for real-time analytics, transforming Deep Learning algorithms into deployable ONNX models. development of custom data processing pipelines and functions in Rust to enhance machine learning operations and time series analysis.Improvements for Windows compatibility.

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CONTACT INFO

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kaggle.com/enesaltun
personal site
ORCID
Google Scholar
LinkedIn

SKILLS

Statistical analysis and modeling using R/Python and Rust, Optimization methods, Data visualization. Experienced with time series data

EEG (I mostly worked on ERP): I used Brainvision, EEGLAB and MNE-Python. data collecting, data wrangling ,analyzing, filtering, experimental designs

Advanced in image processing & Computer Vision. I have familiarity with computer graphics

Software: E-Prime, BrainVision, Adobe PS, Blender3D

Programming Languages: **Python** (Advanced); **R** (Advanced); **MATLAB** (Basic); **Javascript/Typescript** (Advanced); **Rust** (Advanced: The language I use the most); **GLSL/WGSL** (Advanced)

SELECTED PUBLICATIONS AND POSTERS

Evrim Gülbetekin, **Enes Altun,** Muhammed Nurullah Er, Arda Fidancı, Pakize Keskin & Dilara Steenken (2021) Effects of right or left face stimulation on self and other perception in enfacement illusion, Social Neuroscience, 16:2, 189-205, DOI: 10.1080/17470919.2021.1886983

Evrim Gülbetekin, Seda Bayraktar, Deniz Kantar Gül, Ece Varlık Özsoy, Muhammed Nurullah Er, **Enes Altun** & Arda Fidanci (2023) Does Tactile Stimulation of the Face Affect the Processing of Other Faces? Neural and Behavioural Effects of Facial Touch, Social Neuroscience, DOI: 10.1080/17470919.2023.2245126

Gülbetekin, E., Fidancı, A., **Altun, E.,** Er, M. N., & Gürcan, E. (2023). Effects of mask use and other-race on face perception, emotion recognition, and social distancing during the COVID-19 pandemic. Asian Journal of Social Psychology, 00, 1– 16. https://doi.org/10.1111/ajsp.12570

How do We Process Faces from Different Ethnic Groups and Species? Gülbetekin E., Fidancı A., **Altun E**. Society for Neuroscience Annual Meeting 2023, Washington

How do We Perceive Masked Faces during COVID 19 Pandemic GÜLBETEKİN E., FİDANCI A., **ALTUN E**., ER M. N. , KAPLAN E. E. The 37th Annual Meeting of the International Society for Psychophysics Fechner Day 2021, 19 October 2021

Gülbetekin E., **Altun E.**, Er M.N., “Does own species matter? Holistic Face Perception for Great Apes”, the International Behavioral Neuroscience Society (IBNS) Online Poster Sessions, Texas, USA, 3-7 AUGUST 2020, pp.1-1

Gülbetekin E., Bayraktar S., Varlik Özsoy E., Kantar Gök D., **Altun E**., Er N., et al.,“Effects of Tactile Stimulation on Face Perception”, Fechner Day 2019, ANTALYA, TURKEY, 30 October - 2 November 2019, pp.30-30

ALTUN E., Er N., Gülbetekin E. “Does genetic similarity matter? Face recognition performance for primates”, Fechner Day 2019: 35th Annual Meeting of the International Society for Psychophysics, ANTALYA, TURKEY, 30 October - 2 November 2019, pp. 91-92

Er N., **ALTUN E**., Fidanci A., et al., “EFFECT OF STIMULATED FACE SIDE ON MULTISENSORY PERCEPTION”, Fechner Day 2019: 35th Annual Meeting of the International Society for Psychophysics, ANTALYA, TURKEY, 30 October – 2 November 2019, pp. 79-79

Evrim Gülbetekin , Seda Bayraktar, Deniz Kantar, **Enes Altun,** Nurullah Er , Arda Fidancı “Yüz Algısında Görsel-Dokunsal Uyarımın Etkileri” 18. Ulusal Sinirbilim Kongresi, ANKARA, TÜRKIYE, 6-9 Kasım 2020, PP5-045.

Altun, E. (2023). altunenes/scramblery: 1.2.5 (1.2.5). Zenodo. https://doi.org/10.5281/zenodo.10028991 https://github.com/altunenes/scramblery/tree/main

Muhammed Nurullah Er, **Enes Altun,** Evrim Gülbetekin “Türler Arası Benzerlik Fark Yaratır Mı? Büyük Maymun Yüzlerine Yönelik Bütünsel Yüz İşleme” 18. Ulusal Sinirbilim Kongresi, ANKARA, TÜRKIYE, 6-9 Kasım 2020, PP5-007.

Gülbetekin E., **ALTUN E**., Er N., Fidancı A., Keskin P., İlhan Y., et al., “Ben mi, Diğeri mi?: Çok Duyumlu Uyarımın Yüz Algısı Üzerindeki Etkisi”, 20. Ulusal Psikoloji Kongresi, ANKARA, TÜRKIYE, 15-17 Kasım 2018, ss.1-1

MANUSCRIPTS IN PROGRESS

Altun Enes; Er M.N; Gülbetekin E. **(Under Review)** The Early Visual Processing of Faces in a Basic Classification Task: An ERP Study of Spatial Frequency, Other-Race and Other Species Effect (March 20, 2023). Available at SSRN: https://ssrn.com/abstract=4330815 or http://dx.doi.org/10.2139/ssrn.4330815

Altun Enes; Er M.N; Gülbetekin E. **(Under Review)** Exploring the Distinctiveness of Early Visual Processing in Human and Illusory Faces: An ERP Study of Spatial Frequency Effects. Available at SSRN: https://ssrn.com/abstract=4341900 or http://dx.doi.org/10.2139/ssrn.4341900

Alagöz F., Kürme T., **Altun E**., Er M.N., Gülbetekin E. **(in-prep)** How do I perceive your face buddy? Investigation facial movement of AU101 in dog faces in the context of sadness, happiness, and baby schema in the human brain: An ERP Study.

Er, M.N, **Altun E,** Gülbetekin E. **(in-prep)** The Role of Dorsal and Ventral Visual Pathways on Holistic Processing of Individual Facial Parts: An ERP and Spatial Frequency Study

ONGOING ACADEMIC PROJECTS

Development of the Somatosensory Stimulation Hypothesis to Explain Face and Hand Interaction: Akdeniz University, 2024.