

# ENES ALTUN

## 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.

Web: [altunenes.github.io](http://altunenes.github.io)

## CONTACT INFO

- [enesaltun2@gmail.com](mailto:enesaltun2@gmail.com)
- [github.com/altunenes](https://github.com/altunenes)
- [kaggle.com/enesaltun](https://kaggle.com/enesaltun)
- [personal site](#)
- [ORCID](#)
- [Google Scholar](#)
- [LinkedIn](#)

## SKILLS

**Statistical Analysis and Modeling:** Proficient in R, Python, and Rust; skilled in optimization methods, data visualization, and experienced with time series data.

**EEG (ERP Focus):** Extensive experience with Brainvision, EEGLAB, and MNE-Python for data collection, wrangling, analysis, filtering, and experimental design.

**Image Processing & Computer Vision:** Advanced techniques in image processing with familiarity in computer graphics.

**Software Proficiency:** E-Prime, BrainVision, Adobe Photoshop, Blender3D.

**Programming Languages:**

**Python (Advanced)** **R (Advanced)** **MATLAB (Basic)**  
**JavaScript/TypeScript (Advanced)** **Rust (Advanced)**  
**GLSL/WGSL (Advanced)**



## SELECTED PUBLICATIONS AND POSTERS

Evrin 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

Evrin Gülbetekin, Seda Bayraktar, Deniz Kantar Gül, Ece Varlık Özsoy, Muhammed Nurullah Er, **Enes Altun** & Arda Fidancı (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., & Gürçan, 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., FIDANCI 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., Varlık 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.**, Fidancı 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

Evrin Gülbetekin , Seda Bayraktar, Deniz Kantar, **Enes Altun**, Nurullah Er , Arda Fidancı “Yüz Algısında Görsel-Dokunsal Uyarımın Etkileri” 18. Ulusal Sinirbilim Kongresi, ANKARA, TÜRKİYE, 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**, Evrin Gülbetekin “Türler Arası Benzerlik Fark Yaratır mı? Büyük Maymun Yüzlerine Yönelik Bütünsel Yüz İşleme” 18. Ulusal Sinirbilim Kongresi, ANKARA, TÜRKİYE, 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, TÜRKİYE, 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.