



Necati Çağatay Gürsoy | Resumé

Address: Mühlingstr. 27, 69121 – Heidelberg, BW – Germany

✉ caggursoy93@gmail.com • 🌐 cagataygursoy.com • 🆔 0000-0001-9762-7747
📞 caggursoy • 📅 05.09.1993

"Standing on the shoulders of giants"

Cognitive Scientist who is currently pursuing a PhD Degree in Sleep and Memory Neuroscience. Passionate about philosophy of science, machine learning and artificial intelligence.

Education

Academic Qualifications.....

- **Zentralinstitut für Seelische Gesundheit (ZI) Mannheim** **Mannheim, Germany**
PhD Neuroscience, *September 2019 - cont.*
- **Middle East Technical University** **Ankara, Turkey**
MSc. Cognitive Science, *February 2017 - July 2019*
- **Bilkent University** **Ankara, Turkey**
BSc. Electrical and Electronics Engineering, *September 2011 - January 2016*
- **Gurcag Private High School** **Ankara, Turkey**
Science High, *2007 - 2011*

Notable Projects.....

- **PhD Research Project:** *'Targeted Extinction of Drug Cues During Sleep (TEDDS)'*
Ongoing research project in ZI Mannheim / Dept. of Clinical Psychology / RG Psychology and Neurobiology of Sleep and Memory. Research project is aiming to acknowledge the neural processes of possible extinction of drug related maladaptive memories via presenting drug cues during deep sleep.
- **MSc Research Project:** *'Cross-Age Effect in Neural Networks: A Study on Facial Age Recognition Bias in Neural Networks'*
Research project in METU CogSci Department. Project have two stages; first stage is testing facial age recognition bias on humans by showing human faces and asking them to guess the ages. Second stage is to construct a ML system in order to imitate the human performance and contrast the performance between human and the machine.

Publications, Awards and Mentions.....

- **Deep Face Perceiver - Digital artwork** *My artpiece "Deep Face Perceiver" was exhibited in two exhibitions in Switzerland as a part of Figure 1.A. 5th edition. Figure 1.A. is an international science-art exhibition. The artpiece was derived from my Master's research.*

- o **Mention award in Second Open Research Day of METU Informatics Institute** *Initial findings of my Master's research were presented. Awarded with a Special Mention.*

Notable Courses Taken.....

- o **Statistical Parametric Mapping for fMRI/VBM:** *A course on SPM software package that has been designed for the analysis of brain imaging data sequences. Attended online in May 2021, given by UCL*

Teaching Experience

- o **Bilkent University Department of Computer Science** **Ankara, Turkey**
Teaching Assistant for CS 114 - Programming for Engineers II *September 2015 - January 2016*
 I worked as a Teaching Assistant during lab hours. The course was focused on JAVA.
- o **Bilkent University Department of Computer Science** **Ankara, Turkey**
Teaching Assistant for CS 113 - Programming for Engineers I *June - August 2014*
 I worked as a Teaching Assistant during lab hours. The course was focused on MATLAB.

Technical and Personal skills

- o **Spoken Languages:**
 English(Full Professional Proficiency), Turkish (Native), German(Intermediate)
- o **Programming Languages:**
 Proficient in: Python, Java, MATLAB
 Also basic to mid-level ability with: R, VHDL, SPSS, Nengo, ACT-R, VBA, TeX, Arduino, C

Test Scores

- o **TOEFL (November 2015):** 98 = Reading: 28 / Listening: 27 / Speaking: 22 / Writing: 21
- o **ALES (November 2015):** SAY - 80 / EA - 82

References

- o **Dr. rer. nat. Gordon Feld** Head of Research Group, Psychology and Neurobiology of Sleep and Memory, Department of Clinical Psychology, ZI Mannheim
- o **Prof. Dr. Peter Kirsch** Department Head, Department of Clinical Psychology, ZI Mannheim
- o **Asst. Prof. Murat Perit Cakir** Department of Cognitive Science, Graduate School of Informatics, METU
- o **Assoc. Prof. Tolga Esat Ozkurt** Department of Health Informatics, Graduate School of Informatics, METU

Free-Time Activities and Memberships

Free-Time Activities.....

- o I am interested in reading books and articles especially in European and Turkish history between Ancient Greek times and mid-20th century. Also I am keen on researching European and Middle-Eastern epics.
- o I am also interested in researching (and of course viewing) mid-to-late 20th century Art and so-called 'Contemporary Art'.

Membership.....

- o German Psychological Society (DGPs)
- o Bilkent Photography Club