Hüseyin Camalan

Berlin, Germany
☎ +49 (176) 433 465 03
✉ camalanhuseyin@gmail.com
Website, GitHub, LinkedIn

Skills

Methods	**Bayesian modeling, temporal signal processing, neural networks**
Prog. Languages	**Python, MATLAB**
Scientific	**SciPy, NumPy**
Machine Learning	**scikit-learn, keras, PyTorch, PyBrain**
Misc.	**Matplotlib (visualization), pandas (databases), git, Linux, LaTeX**
Spoken languages	**Turkish (native), English (near-native), German (fluent)**

Experience

Mar 2019 – Mar 2020 **Research Assistant** *Department of Neurosurgery, Charité*
- Contribution to the development of a health application
- Analysis of various public medical databases

Mar 2018 – Mar 2019 **Research Assistant** *Fraunhofer Heinrich-Hertz-Institut*
- Design, implementation and analysis of a VR experiment
- Contribution to a paper (see Publications)

Sep 2015 – Mar 2016 **Research Assistant** *Charité*
- Programming of a psychophysics experiment on a bistable perception project

As part of education

Mar 2019 – Mar 2020 **Master Thesis** *Department of Psychiatry and Psychotherapy, Charité*
- Implementation of a custom machine learning model to predict patient outcomes regarding Alzheimer's disease

Sep 2016 – Feb 2019 **Three lab rotations** *Various research laboratories in Berlin*
- Prediction of VR viewing behavior using population statistics
- Application of curve alignment algorithms on EEG signals
- Auditory self-noise prediction on humanoid robots using neural networks

Sep 2012 – Jun 2013 **Bachelor Thesis** *Charité*
- Topic: Motion and surface perception in peripheral vision
- Design, implementation and analysis of a psychophysics experiment
- Poster presentation in a scientific conference (see Publications)

Education

Oct 2014 – Mar 2020 **M.Sc. Computational Neuroscience** *Technische Universität Berlin*
- Grade : 1.9 (German Scale, i.e. 1.0 is best)
- Focus: Machine learning, scientific programming, data analysis, project work in teams

Sep 2008 – Jun 2013 **B.A. Psychology** *Bilkent University*
- GPA: 3.94/4.00 (Class Valedictorian)
- Focus: Cognitive Neuroscience

- Exchange Program at University of California, Davis (2011-2012)

Publications

Papers Vielhaben, J., Camalan, H., Samek, W., & Wenzel, M. (2019). Viewport Forecasting in 360° Virtual Reality Videos with Machine Learning. In *2019 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)*, 74-81. IEEE. ***(Honorable mention)***

Posters Camalan, H., Jain, A., Zaidi, Q., & Doerschner, K. (2013). Identification of Surface Reflectance from Motion Cues in Fovea and Periphery. *Perception ECVP Abstract, 42*, 212.

Scholarships & Honors

Aug 2014 – Apr 2017 **Deutsche Akademische Austausch Dienst (DAAD) Scholarship**

Sep 2008 – Jun 2013 **Bilkent University Full Scholarship**

Sep 2008 – Jun 2013 **Scientific Research Council of Turkey (TÜBİTAK) Scholarship**

Interests

Dance, strength sports, ultimate frisbee, coffee culture, chili peppers