MELTEM ATAY

Aydınlar Mah. Cahit Sıtkı Sok. No: 11/5 Dikmen Ankara/Turkey
(+90) 544 954 0 416 ⋄ meltem.atay@metu.edu.tr ⋄ meltemiatay@gmail.com

EDUCATION

Middle East Technical University, Ankara *September 2015 - Present*
Institute of Natural and Applied Sciences
Ph.D. in Neuroscience and Neurotechnology

Middle East Technical University, Ankara *September 2014 - June 2015*
Department of Mathematics
Scientific Compensatory Period

Hacettepe University, Ankara *September 2012 - August 2014*
Institute of Health Sciences
MSc. in Medical Biochemistry

THESES

PhD. Dissertation Title: Machine Learning on Neuroimages for Diagnosis of Neurodegenerative Diseases.
MSc. Dissertation: Effects of Statins on Human Serum Butyrylcholinesterase and Erythrocyte Acetylcholinesterase.

CARRIER OBJECTIVE

As a graduate student in Neuroscience and Neurotechnology field, I am passionate about discerning the interplay between human cognition and artificial intelligence. Merging of computational neuroscience with deep learning has revolutionary potential in addressing a wide range of outstanding problems throughout the computational sciences. Hence, I would like to be part of this astonishing revolution in the field of artificial intelligence as a deep learning researcher.

ARTICLES AND PRESENTATIONS

- Atay M., Weber G-W., Classification and Generation of Digital Marble Art (EBRU) by revisiting OR via Deep Learning, oral presentation EURO-k 2019. 23-26 June 2019. Dublin, Ireland, and InteriOR2019 20-21 August 2019, Medan, Indonesia.
- Atay M., EbruGAN: Digital Art Creation Based On Mixture of Traditional Turkish Art and Human Faces, NeurIPS 2018, Machine Learning for Creativity and Design Workshop. (online gallery submission)
- Bircanoğlu C., Atay M., Beşer F., Genç O., Kızrak M-A., RecycleNet: Intelligent Waste Sorting Using Deep Neural Networks, INISTA, 2018.
- Atay M., Baskın Ö., Cantürk E., Kara İ., Koçak İ., Kürkcü A., Şahin B., Alternative Rehabilitation Solutions for Cerebral Palsy, MATTER- Undergraduate Research Journal, METU- December 2016.

PROGRAMMING EXPERIENCE

Neuroscience Related:	SPM12
Programming Languages:	Python, MATLAB
Deep Learning Frameworks:	Tensorflow-Keras, PyTorch

ACADEMIC ACHIEVEMENTS

2015-2016 Academic Year, METU Graduate Courses Performance Award, highest cGPA.

EXTRA-CURRICULAR

Jan June 2018 Voluntary Teaching: Gave series of applied lectures about Deep Learning to several grades of computer engineering students from Ankara Yildirim Beyazit University.

Sep 2017 Instructor of DeepMETU. Gave a lecture about auto encoders, generative adversarial networks and image style transfer algorithm.

Sep 2017 Jan 2018 Voluntary teaching assistant of NSNT-501 Computational Neuroscience Course.