

GURAY OZGUR

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EDUCATION

University of Tübingen, Germany Machine Learning, MSc GPA: 1.77/1.0	09.2021 - now <i>Tübingen, DE</i>
Korea Advanced Institute of Science and Technology, South Korea School of Electrical Engineering	08.2018 - 01.2019 <i>Daejeon, KR</i>
Middle East Technical University, Türkiye Mathematics, BSc CGPA: 3.53/4.00 (German Grade: 1.71)	09.2016 - 07.2021 <i>Ankara, TR</i>
Middle East Technical University, Türkiye Electrical and Electronics Engineering, BSc CGPA: 3.43/4.00 (German Grade: 1.85) ABET-accredited	09.2015 - 07.2021 <i>Ankara, TR</i>
Eskişehir Anatolian High School, Türkiye High School	09.2011 - 06.2015 <i>Eskişehir, TR</i>

EMPLOYMENT

Working Student Neura Robotics GmbH	06.2022 – now <i>Metzingen, DE</i>
Machine Learning Intern Kuartis Technology and Consulting	02.2021 - 04.2021 <i>Ankara, TR</i>
Embedded System Intern Darkblue Telecommunication Systems	06.2018 – 08.2018 <i>Ankara, TR</i>

SKILLS

Languages	Python, MATLAB, C, C++, Verilog
Libraries	PyTorch, sklearn, matplotlib, pandas, Keras/TensorFlow, OpenCV
Tools	Linux, Git, LaTeX, LTspice, Altium Designer, Raspberry Pi, Arduino
Soft Skills	Communication, Teamwork, Problem Solving, Self-management

PROJECTS

Hodgkin Huxley Model in MATLAB (An example of mathematical modelling) Explanation: Implementing a software code to model the excitable membrane of an axon using the Hudgkin-Huxley (H&H) network model based on the rate constants for ionic channel conductivities determined by H&H. See from here: GitHub
A Literature Review on Voltage References (An example of documentation) Explanation: A comparison of 30 SOTA Voltage Reference Circuits published in the last 10 years (2010-2020). See from here: GitHub
Capstone Project (An example of teamwork and leadership) Explanation: An engineering design project I have worked on for a two semester course within a team of 5 students in my studies. I acted as the team leader for our project, and we have designed and implemented a product for a given problem under the supervision of Assoc. Prof. Fatih Kamışlı. The project report includes our top-down design process, analyses of the performance tests, as well as the drawings and pictures of the final product. Repository also includes scripts for training a model, running it on a Raspberry Pi and Arduino. See from here: GitHub