Ahmet Canberk Baykal

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EDUCATION

Koç University — Istanbul, TR
Master of Science in Computer Science and Engineering, Fellow at KUIS AI Center — *Sep. 2020 – June 2022*
- **CGPA:** 4.00/4.00
- **Research Areas:** Text Guided Image Generation and Manipulation, Computer Vision, Natural Language Processing
- **Relevant Coursework:** Deep Learning, Computer Vision with Deep Learning, Natural Language Processing, Deep Unsupervised Learning, Advances in Deep Learning

Bilkent University — Ankara, TR
Bachelor of Science in Electrical and Electronics Engineering — *Sep. 2016 – June 2020*
- **CGPA:** 3.70/4.00
- **Relevant Coursework:** Machine Learning, Artifical Intelligence, Neural Networks

EXPERIENCE

ASELSAN — July 2019 – Aug. 2019
Summer Intern — *Ankara, TR*
- Studied and implemented VHDL design and verification techniques and applied these on small-scaled projects.

INFINIA Mühendislik — June 2018 – Aug. 2018
Summer Intern — *Ankara, TR*
- Worked on Raspberry Pi 3 Model B+ on a local web server that controls LEDs on a Model Automation system.
- Implemented a simple interface to control LEDs using ESP8266 Wi-Fi module.

PROJECTS

- **Image Captioning:** A deep-learning project that takes images as input and outputs captions for that image, using Convolutional Neural Networks and LSTM.
- **Music Genre Predictor:** A machine-learning project that uses features from a song to predict its genre using Artificial and Convolutional Neural Networks.
- **Word++:** An AI program that finds alternate clues for NY Times crossword puzzle answers.
- **Re-Contact:** An android application that allows its users to add each other and exchange contact information via Near-Field Communication (NFC) technology.

SKILLS

Programming Languages: Python, Java, Julia, C++, VHDL
Frameworks: PyTorch, Keras, Knet (Julia)
Developer Tools: Git, PyCharm, Spyder, Jupyter, IntelliJ, Eclipse, MATLAB
Languages: Turkish (C2), English (TOEFL iBT: 110, C2), German (A2), Spanish (A1)

AWARDS & HONORS

- AI Felloship, KUIS AI Center, 2020 –
- TÜBİTAK National M.Sc. Scholarship Program, 2020 –
- Scholarship of the Turkish Prime Ministry, 2016 – 2020
- IEEEXtreme Turkey Camp Contest 2nd place in 2019.
- 19th place in Turkish Programming Contest (regional elimination round of ICPC 2019) in 2019.
- ALES (Selection Exam for Academic Personnel and Graduate Studies) in 2019, Score: 96, Rank: 230 out of 122.927.
- Ranked 38th in the Nationwide University Entrance Exam LYS and 51st in YGS among 2 million students in Turkey, 2016.

TEACHING EXPERIENCE

Koç University — Sep. 2020 – Present
Teaching Assistant — *Istanbul, TR*
- COMP106 - Discrete Mathematics for Computer Science and Engineering
- COMP547 - Deep Unsupervised Learning
- Python Crash Course & Generative Adversarial Networks at KUIS AI Center Summer Camp

EXTRACURRICULAR ACTIVITES

- Bilkent Cycling Society General Secretary, 2018-2019.
- Bilkent IEEE Student Branch Active Member, 2017.