İdil **Sülo**

SENIOR COMPUTER ENGINEERING STUDENT

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Education

Middle East Technical University (METU)   *Ankara, TURKEY*

B.S. IN COMPUTER ENGINEERING   *September, 2014 - Exp. June, 2019*

- Studied one year at the English Language Preparatory School of METU
- Final year Computer Engineering student with an emphasis on Deep Learning and Computer Vision
- **Graduation Project:** DLEM - A project that will make deep learning networks available as an online service and greatly simplify the testing of the existing networks by the users.
- cGPA: 3.17/4.0

Skills

Programming Languages	Python, C/C++
Libraries, Frameworks and Tools	Tensorflow, PyTorch, NumPy, SciPy, Matplotlib, OpenCV, LaTeX, Git
Operating Systems	Unix/Linux, Windows
Languages	Turkish (Native), English (Advanced), German (Beginner)

Experience

Image Lab at Middle East Technical University   *Ankara, TURKEY*

COMPUTER VISION RESEARCH INTERN   *June 25, 2018 - September 21, 2018*

Participated in a research of reducing the computational cost of Generative Adversarial Networks with an application of the Depthwise Separable Convolution layers that reside in the MobileNet architecture under the supervision of Prof. Gökberk Cinbiş.

CITS Bilişim A.Ş. (Cloud Information Technology Services)   *Bursa, TURKEY*

SOFTWARE DEVELOPMENT INTERN   *July 3, 2017 - September 22, 2017*

Designed and implemented an algorithm to optimize the problem of cutting large sheets of metals into specific sizes, and a Web Application constructed with ASP.NET Core, MVC 6, EF Core, and Angular which lets the user to create a Travel Plan on a World Map.

Research Projects

ÇIRAK Project

PROJECT MEMBER   *February, 2019 - Present*

Working on a project on an "intelligent" robot platform that will be developed to function as an apprentice for a human worker working in a factory assembly line under the supervision of Prof. Sinan Kalkan and Prof. Erol Şahin.
- This work is supported by the Scientific and Technological Research Council of Turkey (TÜBİTAK) through project called "ÇIRAK: Compliant robot manipulator support for montage workers in factories" (project no 117E002).
- A research paper had been submitted to the IROS conference: **F. C. Kurnaz, B. Hocaoglu, K. M. Yilmaz, I. Sulo, and S. Kalkan. ALET (Automated Labeling of Equipment and Tools): A Dataset, a Baseline and a Usecase for Tool Detection in the Wild.** *arxiv preprint*, **2019.**

Energy Efficient Smart Buildings Project

PROJECT MEMBER   *October, 2018 - Present*

Working on a project to apply deep learning methods on the energy consumption data obtained from the buildings that reside in the City University of New York (CUNY) campuses under the supervision of Prof. Theodore Brown.
- This work is supported by the Scientific and Technological Research Council of Turkey (TÜBİTAK) through the scope of the scholorship programme 2209/A University Students Research Project Grant.

Cocurricular Activity

Fundamentals of Deep Learning for Computer Vision   *NVIDIA*

PARTICIPANT   *September, 2018 - Present*

A one day hands-on workshop by NVIDIA Deep Learning Institute that teaches the basics of deep learning by training and deploying neural networks.
  • Can be verified at: **https://courses.nvidia.com/certificates/942b5f741e664e47aee93c3e6c14d030**

Extracurricular Activity

Django Girls

CO-ORGANIZER AND MENTOR   *October, 2018 - Present*

Organizing one-day programming workshops together with the members of Django Girls Ankara in order to bring more amazing women into the world of technology and increase the diversity in the Django community.

Coding Woman

BLOGGER   *January, 2018 - Present*

Sharing anecdotes from my life as a woman studying Computer Engineering by explaining some technical concepts, and writing articles supporting women in technology in order to break the stereotypes in the minds of people related to this field on a blog named Coding Woman.
  • The blog can be found at the following link: **www.codingwoman.com**