

ONUR ŞİMŞEK

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PERSONAL INFORMATION AND OBJECTIVE

Helpful, dynamic and hardworking junior computer engineer with a professional working experience of seven months. I enjoy doing research and learning new technologies quickly. I am seeking an opportunity to use my technical skills and experience in the industry with an interest of web application development, desktop application development, object oriented programming, machine learning and multi-threaded programming.

EDUCATIONAL INFORMATION

Middle East Technical University, ANKARA
Computer Engineering Department
September 2016 - July 2021

CGPA: 3.19

Aydınlıkevler Anatolian High School, ANKARA
September 2011 - June 2015

TECHNICAL SKILLS

Programming Languages : Python, C, C++, C#, Java, Javascript
Libraries/Frameworks : React, Qt
Operating Systems : Windows, Linux/Unix
Software : Matlab(Image Processing Toolbox), MS Office, Latex
Databases : MySQL, PostgreSQL

EXPERIENCES

Avena Information Technologies: Full Stack Developer **March 2021-**
The company's own InTime project has been developed and updated by involving front end development as well as back end development.

STM: Graduation Project - Aggregator **October 2020 - June 2021**
Aggregation operations in the back-end part of our graduation project have been implemented to have the actual functionality.

Tübitak Bilgem ILTAREN: Intern **20 August 2020 - 17 September 2020**
A static library application is developed to measure the execution time of the functions. The concepts such as multithreading and TCP Network Protocol are learned and applied.

Spark Calibration: Intern **6 July 2020 - 7 August 2020**
Creating a deep learning model, training this model with data and observing the accuracy and loss functions for both train and validation data are learned. The processing of the labels and images is done to start the training of the deep learning model.

Computer Engineering: Student Assistant **March 2020 -June 2020**
To answer the student's question about the topic, to help the teaching assistant in the laboratory, to test whether the circuits are correctly built or not, the student assistant job is conducted in the CENG232 Logic Design course of the computer engineering department.

Tübitak Bilgem YTE: Intern **30 July 2019 - 13 September 2019**
A web application Alerting System is developed, and additional mobile application Math Solver is developed. Hands on experience is gained on React and Java Spring-Boot.

PROJECTS

InTime

March 2021 -

A react based web application for business and time tracking. The application allows companies to track how long their workers work, what task they accomplished in which time period. It can also help companies in financial tracking by calculating their monthly expense.

- **Technology/Tools:** JavaScript, Node.js, MongoDB, React, CSS

Aggregator

October 2020 - June 2021

A desktop application that enables the company to make the most effective decision by choosing the most accurate decision variables in any optimization problem, especially when there are multiple decision variables.

- **Technology/Tools:** C++, pthread library, POSIX functions, Qt Creator
- **Demo Video:** <https://youtu.be/tvc223R1ZIk>
- **Link :** <https://github.com/simsekonur/Aggregator>

Execution Timer Application

September 2020

A desktop application that can be used to learn the execution time for a desired function using concepts such as multithreading and message queue by showing the function's name and it's execution time in the interface.

- **Technology/Tools:** C++, pthread library, POSIX functions, Qt Creator
- **Link:** <https://github.com/simsekonur/ExecutionTimerStaticLibrary>

Detect Text Application

August 2020

A Python script that is used to process the data set to start the training of the deep learning model.

- **Technology/Tools:** Python, OpenCV, TensorFlow, Keras, Numpy, Matplotlib, GoogleColab environment
- **Link:** <https://github.com/simsekonur/DeepLearningProject>

Math Solver Application

September 2019

Mobile application that contains a simple calculator which can solve quadratic equations with one unknown, equation systems consisting of two unknowns and two equations.

- **Technology/Tools:** React Native, JavaScript

Alerting System Application

August 2019

React-based web project that receives information such as URL, HTTP request type and control period using it's user interface, sends a request to the URL contained in this information, saves the server response as successful or unsuccessful, and shares it with the user using an interface.

- **Technology/Tools:** React, Java SpringBoot, PostgreSQL, JavaScript, CSS
- **Link:** <https://github.com/simsekonur/AlertingSystemApplication>

LANGUAGE SKILLS

- Turkish (Native language)
- English (Advanced level)
- German (Basic education taken during high school or university)

**LICENSES AND
CERTIFICATES**

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning(deeplearning.ai)
- Convolutional Neural Networks in TensorFlow(deeplearning.ai)

REFERENCES

- Ahmet Enis ERKAYA : Tübitak Bilgem YTE-Software Developer
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- Deniz Can YILDIRIM : Tübitak Bilgem ILTAREN-Software Developer
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