



# Süheda ÇİLEK

Computer Engineer

506-984-3225   
suhedacilek@gmail.com   
Ankara   
suhedacilek.github.io   
<https://www.linkedin.com/in/suhedacilek/>

## Work Experience

### Machine Learning Engineer

2022 - 2023

### SmartAlpha

I was involved in Nerveblox and MSK projects and actively utilized technologies such as Python, Pytorch, OpenCV, GCP, Linux, and Docker. By adding a segmentation head to the YOLOv7 tiny model, I created my own YOLOv7-tiny seg model and performed detection and segmentation on ultrasound images. Additionally, I showed interest in topics such as data cleanup and active learning. I played a significant role in calculating and implementing metrics. Throughout these activities, I focused on teamwork and shared my ideas to enhance productivity

### AI Engineer

2021 - 2022

### Redevio AR-GE

I worked on a hair transplant project and utilized Python, Linux, OpenCV, and TensorFlow. I also conducted research in 3D reconstruction and point cloud topics.

### AI Researcher

2020 - 2022

### SimurgAI

I worked with panoramic and bitewing X-Ray tooth images using Python, OpenCV, TensorFlow and Keras. I performed segmentation, classification and tooth detection on tooth images using deep learning algorithms such as Mask-RCNN and Fast-RCNN.

## Education

### Computer Engineering Master of Science

2021 - 2023

### Karabuk University | Faculty of Engineering

I do research on deep learning and machine learning. My thesis titled 'Analysis of Y-Balance Test Data Used in Sports Sciences by Machine Learning Methods' was supported by KBUBAP-23-YL-040. With my thesis, I made an oral presentation at the 9th International Engineering and Natural Sciences Conference (ICENS 2023) held in Bosnia and Herzegovina and was entitled to send a full text.

### Computer Engineering (%100 English) Bachelor Degree

2016 - 2021

### Karabuk University | Faculty of Engineering

I worked as a "Lab Assistant" for 1 year on C language, which is used as a programming language in Programming Languages 1-2 courses given by Caner ÖZCAN. I was a member of the board of directors of KBU BTK. I graduated as an honor student. My undergraduate thesis titled Analysis of Panoramic Dental Images Using Artificial Learning Techniques received support from TUBITAK. I published a summary and a full-text article in the field of "Artificial Intelligence in Health" in my undergraduate life.

## Papers

### II. International Artificial Intelligence Health Congress 2021, 2nd, Online, Apr 16-18, 2021

- Segmentation of Bitewing Intraoral X-Ray Images with Mask R-CNN Deep Learning Model

### International Conference on Interdisciplinary Applications of Artificial Intelligence (ICIDAAI), 1st, Online, 21-23 May, 2021

- Tooth Detection and Numbering with Instance Segmentation In Panoramic Radiographs

## Skills

- Python, C, Java, MATLAB, HTML/CSS
- OOP
- Pytorch/Tensorflow/Keras
- NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Jupyter
- ML/DL, Computer Vision, OpenCV
- Linux
- JSON, XML
- Docker, Git, GCP

[Certificates](#)

## References

### Doç.Dr. Caner ÖZCAN

SimurgAI / CEO

Phone: 0535-780-60-93

Email: canerozcan@karabuk.edu.tr

### Utku KAYA

SmartAlpha / CEO

Phone: 0530-386-94-35

Email: utku.kaya@smartalpha.ai

### İbrahim KAYA

SmartAlpha / AI Team Lead

Phone: 0505-222-52-44

Email: ibrahim.kaya@smartalpha.ai

### Ali Eray AKDAĞ

Tork Dizayn AR-GE / CEO

Phone:

Email: 0532-784-26-39

eray.akdag@torkdizayn.com