

# SELAHATTIN SERDAR HELLI



## CONTACT

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## PERSONAL PROFILE

A biomedical engineer and machine learning area with experience on deep learning-neural networks, computer vision, data modelling, and numerical analysis

## AREAS OF EXPERTISE

- Machine Learning, especially Deep Learning
- Numerical Analysis
- Image Processing – Computer Vision
- Working knowledge of Python

## OTHER SKILLS

- The ability to analyze complex technical information
- The competency of analyze, design and implementing artificial intelligence structures
- Detail oriented
- English
- Natural Language Process
- Keras, Tensorflow, Pandas, Stats.Model, Scikit-Learn, OpenCV, PIL libraries
- Google-Colab, Spyder and Jupiter Notebook with Anaconda Navigator
- HTML5 and CSS

## REFERENCES

Asist.Prof.Dr Andaç HAMAMCI  
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## WORK EXPERIENCE

### INTERNSHIPS

Yeditepe Üniversitesi Diş Hastanesi | 2018 – 2019

- Modified existing device to correct errors and optimize efficiency
- Prepared detailed reports
- Provided technical support for device hardware and software

As an intern in a dental clinic, I had the opportunity to learn about many dental devices, computer vision software, and clinical databases. During my internship, I was interested in the installation, repairing, maintenance of medical devices.

Intern in a IT Consultancy – Mega Bilgi İletişim | 2013 – 2014

During my internship, I provided technical support for computer hardware and software to the companies and their employee. The companies were such as "Turkon Holding", "ITS. Caleb Brett Deniz Survey A.Ş.".

## EDUCATION HISTORY

### YEDITEPE UNIVERSITY

Bachelor of Biomedical Engineering, 2020

### MACHINE LEARNING PROJECTS

- Automatic Semantic Segmentation In One-Shot Panoramic Dental X-Ray Images Using Deep Learning with U-Net (Fully Connective Convolutional Neural Networks)
- Medical Image Classification with VGG-19
- Natural Language Process Text Classification On Posted Tweets Are About The Violence To Woman Or Not.
- Short-Term Forecasting COVID-19 Cases In Turkey Using Long Short-Term Memory Network

### MEMBERSHIPS AND VOLUNTEER WORKS

- Member of IEEE (The Institute of Electrical and Electronics Engineers)
- Member of EMBS (IEEE Engineering in Medicine and Biology)
- BIOMATE (Biomedical Engineering Conference with IEEE)

### CERTIFICATIONS

- "Neural Networks and Deep Learning" an online non-credit course authorized by deeplearning.ai

## PUBLICATIONS

- S.Serdar HELLİ, Çağkan DEMİRCİ, Onur ÇOBAN, Andaç HAMAMCI. "Short-Term Forecasting COVID-19 Cases In Turkey Using Long Short-Term Memory Network", 2020 Medical Technologies Congress (TIPTEKNO). IEEE, 2020 (submitted)