

SELAHATTIN SERDAR HELLI



CONTACT

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PERSONAL PROFILE

A biomedical engineer , data scientist 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

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
- SQL
- 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

- **Master's Degree , Data Science 2020–2022**
- **Bachelor of Science, Biomedical Engineering 2015–2020**

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
- Automatation Drawing Merchant Lines And Angles With Artificial Intelligence

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 (accepted)