

Software Engineer

SELAHATTIN SERDAR HELLI



CONTACT

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📍 Ataşehir/İstanbul 🌐 <https://serdarhelli.github.io/>

PERSONAL PROFILE

A software engineer, data scientist (engineer) and machine learning area with experience on deep learning-neural networks, computer vision, data modelling, data science, and numerical analysis

AREAS OF EXPERTISE

- Python (Advanced); Numpy, Keras, Tensorflow, Pandas, Stats.Model, Scikit-Learn, OpenCV, PIL libraries
- SQL (Lower-Intermediate)
- HTML5 and CSS (Upper-Intermediate)
- C++ (Intermediate)

SKILLS

- The ability to analyze complex technical information
- The competency of analyze, design and implementing artificial intelligence structures
- Detail oriented
- English
- Strong communication

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

YEDİTEPE 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)