

Halim Can Ocaklı

Data Architect Intern

📍 İstanbul, Turkey

☎ +905417694139

✉ halimcanocakli@gmail.com

🐙 github.com/halimocakli

in in/halimcanocakli



A senior computer engineering student and Long Term Data Architect Intern who strives to enhance himself in software engineering, database management, database design, object oriented programming, SQL, T-SQL and data derivative fields. Additively, he improves himself on data engineering concepts, apache spark, hive, cloud technologies such as AWS and Azure, also kubernetes and docker to being well informed about data movement procedures and to become an excellent knowledgeable software engineer. He is well up on C, Python, C#, WPF, Java, SQL, data structures, OOP concepts, and algorithms. Also a machine learning enthusiast, and a lifelong learner.

PROFESSIONAL EXPERIENCE

Long Term Data Architecture Intern, Halkbank

02.2023 – 06.2023

İstanbul, Türkiye

I worked as a "Long Term Data Architecture Intern" within the "Information Architecture" team at Halkbank for one academic semester. During this period, I had the opportunity to gain experience in many data-oriented work areas. You can view the subjects and technologies that I had the opportunity to work on below.

- Database Design and Relational Entity Modelling
- Normalization Techniques [1NF to 5NF]
- .NET and Entity Framework
- MsSQL, T-SQL and SSMS
- IBM PowerDesigner
- SPSS and ETL Process
- Data Governance

Candidate Software Engineer, Saykal Electronics

08.2022 – 02.2023

Kocaeli, Türkiye

After my compulsory summer internship, I started to work as a Junior Software Engineer at Saykal Elektronik company within the scope of "Candidate Engineering". I continued to develop applications under the WPF framework using C# and XAML languages. I also created a data parsing application using Python language and a radar interface using the PyQt framework. I had the opportunity to work on a user interface where I integrated CANFD and LIN protocols. I also designed a motor driver interface and completed the back-end development. The applications I developed and contributed to the development are as follows: "Seat Belt Endurance Test", "Canbus Data Analyser", "Accelerometer Data Parser with Python", "Radar GUI with PyQt5", "Gateway UI", "Contacts App"

Software Engineering Intern, Saykal Electronics

07.2022 – 08.2022

Kocaeli, Türkiye

During my compulsory summer internship, I learned OOP principles and desktop programming techniques. I improved my knowledge of C#, XAML and was introduced to the WPF graphical framework, so I had the opportunity to enhance my frontend skills along with the backend. In addition, I learned about serial communication, created a basic serial communication application with WPF, and developed a simple gateway frontend to learn XAML.

Embedded Software Engineering Intern, Sixfab

04.2022 – 05.2022

San Jose, USA

That was a voluntary internship in which I developed a communication system that includes Telit ME910C1-WW which is the LTE UE Category (Cat) M1/NB1 specified in the 3GPP Release (Rel) 13. Cat M1/NB1 device integrated with Raspberry Pi Pico. The system has bilateral communication that communicates with an IoT cloud platform.

EDUCATION

BSc. Computer Engineering, Karabuk University [*↗*](#)

2018 – 2023
Karabük, Turkey

VOLUNTARY EXPERIENCE

Artificial Intelligence Researcher, Dr. Caner Özcan [*↗*](#)

07.2022 – 02.2023
Karabük, Türkiye

At SimurgAI LAB [*↗*](#), I voluntarily do research and development work, with a large staff of students, about data science, machine learning, and deep learning under the supervision of Associate Professor Doctor Caner Ozcan. This part-time employment is related to the lecture named "CPE312 Introduction to Machine Learning" which Caner Ozcan gives. The research team members are also responsible for being assistant students at the lecture mentioned above.

Assistant Student, Dr. Caner Özcan [*↗*](#)

02.2022 – 02.2023
Karabük, Türkiye

Assist students in computer laboratory sessions of *Programming Languages I*, *Programming Languages II*, and *Introduction to Machine Learning* lectures to make students well informed on algorithm development, C programming language, machine learning, and Python programming language that offered by Assoc. Prof. Dr. Caner Özcan.

Artificial Intelligence Software Team Member, KGM Black Night UAV Team [*↗*](#)

01.2021 – 07.2022
Karabük, Türkiye

I was a member of the unmanned aerial vehicle development team that is preparing for the Teknofest competition and worked in the computer vision systems and artificial intelligence development department of this team.

SKILLS

C	Python	C#	OOP	SQL	Algorithm Analysis	Data Structures	PL/SQL
Linux	Embedded Software	Database Design	T-SQL	Machine Learning			

PROJECTS

THY Stock Price Prediction [*↗*](#)

11.2022 – 12.2022

A machine learning project that provides buy-sell signals based on the change in stock values of Turkish Airlines between 2019 and 2022. In addition to the Decision Trees algorithm, economic forecasting algorithms were used in the project.

Logistic Regression with Titanic Dataset [*↗*](#)

06.2022 – 07.2022

This project was produced to analyze the "Titanic - Machine Learning from Disaster" dataset and create a Logistic Regression model with Python.

C Programming Examples [*↗*](#)

2018 – Present

Various C programming projects that I have been developing on several subjects since I started my university education.

Data Structures Project [*↗*](#)

07.2021 – 08.2021

I created this project which is a student information management system using data structures in C programming language due to accomplish my data structure lecture assignment. The project includes various data structures implementing techniques such as linked list, stack, AVL trees, and BST trees.

Various Educational Projects [*↗*](#)

2018 – Present

Lots of large and small projects about several topics such as data structures, algorithms, data science, machine learning etceteras. Also, programming language documents include quite a few codes with informative comments.

ORGANIZATIONS

Google Developer Student Clubs , Core Team Member	Karabük, Turkey
Women Techmakers Karabük , Core Team Member	Karabük, Turkey
Karabuk University BTK , Core Team and Organizing Committee Member	Karabuk, Turkey
TEMA , Team Member	Erzurum, Turkey
Çeyrek Mühendis , Editor and Writer	Web Based

REFERENCES

Hüseyin İlker Ocaklı, Leader Engineer, ASELSAN
ilkerocakli@gmail.com, +905334312660



















Özgür Saklanmaz, Software Engineer, Saykal Electronics
saklanmazozgur@gmail.com, +905448664458

İsa Avcı, Assistant Professor, Karabuk University
isaavci@karabuk.edu.tr

LANGUAGES

Turkish • English

CERTIFICATES

Professional C Programming  Udemy	Data Structures in C  Udemy	Intermediate Python  DataCamp	Introduction to Python  DataCamp
Image Processing in Python  DataCamp	Feature Engineering for Machine Learning in Python DataCamp	Supervised Learning with scikit-learn  DataCamp	Unsupervised Learning in Python  DataCamp
Python Data Science Toolbox (Part 1)  DataCamp	Python Data Science Toolbox (Part 2)  DataCamp	Machine Learning for Everyone  DataCamp	Software Development in C/C++  Udemy
Data Engineering for Everyone  DataCamp	Cloud Computing for Everyone  DataCamp	C# - Beginner to Advance Levels  Udemy	Algorithms and Programming in C#  Turkcell
Oracle Database Design and Programming with SQL I took it after accomplished the "Database Management" course at Karabük University	Circuit Analysis and Design with Proteus  Udemy	Arduino Fourdot	Linear Classifiers in Python  DataCamp
Joining Data with pandas  DataCamp	Introduction to Data Visualization with Matplotlib  DataCamp	Data Manipulation with pandas DataCamp	