

# Halim Can Ocaklı

## Junior Data Warehouse Engineer

✉ halimcanocakli@gmail.com

📍 İstanbul, Turkey

☎ +905417694139

in /halimcanocakli

🐙 github.com/halimocakli



A senior computer engineering student and junior data warehouse engineer who strives to enhance himself in data engineering, machine learning, computer vision, and derivative fields. Additively, he improves himself on WPF and other .NET technologies, to create desktop apps to become an excellent knowledgeable software engineer. He is well up on C, Python, C#, data structures, OOP concepts, and algorithms. Also a backend engineering enthusiast, and a lifelong learner.

### PROFESSIONAL EXPERIENCE

February 2023 – present  
İstanbul, Turkey

**Junior Data Warehouse Engineer, Halkbank** ☑

Data modeling and analytics.

August 2022 –  
February 2023  
Kocaeli, Turkey

**Junior Software Engineer, Saykal Electronics** ☑

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"

July 2022 – August 2022  
Kocaeli, Turkey

**Software Engineering Intern, Saykal Electronics** ☑

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.

July 2022 – present  
Karabük, Turkey

**Artificial Intelligence Researcher, Dr. Caner Özcan** ☑

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.

February 2022 – present  
Karabük, Turkey

**Assistant Student, Dr. Caner Özcan** ☑

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.

April 2022 – May 2022  
San Jose, USA

**Embedded Software Engineering Intern, Sixfab** [\*↗\*](#)

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.

October 2021 – July 2022  
Karabük, Turkey

**Software Team Member, KGM Black Night** [\*↗\*](#)

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.

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## SKILLS

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C	Python
C#	OOP
SQL	Algorithm Analysis
Data Structures	PL/SQL
Linux	Embedded Software

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## PROJECTS

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November 2022 –  
December 2022

**THY Stock Price Prediction** [\*↗\*](#)

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.

June 2022 – July 2022

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

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

2018 – Present

**C Programming Examples** [\*↗\*](#)

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

July 2021 – August 2021

**Data Structures Project** [\*↗\*](#)

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.

2018 – Present

**Various Educational Projects** [\*↗\*](#)

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.

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## EDUCATION

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2018 – present  
Karabük, Turkey

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

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## ORGANIZATIONS

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Karabük, Turkey

**Google Developer Student Clubs, Core Team Member**

Karabük, Turkey

**Women Techmakers Karabük, Core Team Member**

Karabuk, Turkey

**Karabuk University BTK, Core Team and Organizing Committee Member**

Erzurum, Turkey

TEMA, Team Member

Web Based

Çeyrek Mühendis, Editor and Writer

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## REFERENCES

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

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

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

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## LANGUAGES

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Turkish • English

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## CERTIFICATES

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**Professional C Programming**   
Udemy

**Intermediate Python**   
DataCamp

**Image Processing in Python**   
DataCamp

**Supervised Learning with scikit-learn**   
DataCamp

**Python Data Science Toolbox (Part 1)**   
DataCamp

**Machine Learning for Everyone**   
DataCamp

**Data Engineering for Everyone**   
DataCamp

**C# - Beginner to Advance Levels**   
Udemy

**Oracle Database Design and Programming with SQL**  
I took it after accomplished the "Database Management" course at Karabük University

**Arduino**  
Fourdot

**Joining Data with pandas**   
DataCamp

**Data Manipulation with pandas**  
DataCamp

**Data Structures in C**   
Udemy

**Introduction to Python**   
DataCamp

**Feature Engineering for Machine Learning in Python**  
DataCamp

**Unsupervised Learning in Python**   
DataCamp

**Python Data Science Toolbox (Part 2)**   
DataCamp

**Software Development in C/C++**   
Udemy

**Cloud Computing for Everyone**   
DataCamp

**Algorithms and Programming in C#**   
Turkcell

**Circuit Analysis and Design with Proteus**   
Udemy

**Linear Classifiers in Python**   
DataCamp

**Introduction to Data Visualization with Matplotlib**   
DataCamp