



# HÜSNÜ MURAT KOÇAK

## Computer Scientist

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**Date of Birth :** 10.08.1996

**B class driving licence**

**More information :** kocaak.github.io

github.com/kocaak

hackerrank.com/kocaak

## Languages

- Turkish - Native
- English - B2
- French - Basic

## Programming Languages

- Python
- JavaScript
- C / C++
- Java 7/8
- PHP
- SQL

## Skills

- Machine Learning
- Object Oriented Prog.
- Web Development
- Data Mining
- Deep Learning
- Computer Vision

## Software & Tools

- Tensorflow / PyTorch
- PostgreSQL
- Apache Server
- Ubuntu
- Qt & JavaFX
- Unreal Engine 4

## Hobbies

- Guitar
- History
- Hackerrank
- Video Games
- Bachata
- Board Games

## Education

**2020 / 2022** Galatasaray University, Graduate School of Science  
**Computer Engineering, Master's Degree**

**2015 / 2020** Konya Technical University, Faculty of Engineering  
**Computer Engineering, Bachelor's Degree**  
GPA: 3.07 / 4

## Experience

01.2020 - 04.2020 | Leuven - BELGIUM

### AI Software Engineer

imec | www.imec-int.com

Research on classification and clustering of nanometric light distribution images from chip design in the field of photolithography and increase quality of OPC with GPU acceleration.

- Used:** Python, Tensorflow, Keras, Pandas, NumPy, Matplotlib | Ubuntu

07.2019 - 10.2019 | Nancy - FRANCE

### AI Software Engineer Intern

LORIA / INRIA Nancy Grand Est. | www.loria.fr

Research on the mining of complex metabolomic data, where particularly developed feature selection operations and the comparison of several classification and clustering methods for mining such numerical data.

- Used:** Python, Scikit-Learn, Pandas, NumPy, Matplotlib

09.2018 - 07.2019 | Konya - TURKEY

### Jr. AI Software Engineer

Bay E Information & Consultant | www.bayebilisim.com

Development of machine learning project on web application about calculating rock stability, landslide probability and factor of safety with mining engineers.

- Used:** JavaScript, PHP, Python, WEKA, PostgreSQL, Bootstrap

01.2016 - 08.2016 | Ankara - TURKEY

### Software Engineer Intern

KOMTAS Information Management | www.komtas.com

Development of libraries for accelerate data analytics progress and implementing back-end web application.

- Used:** Java, Spring, JavaScript, MySQL, Bootstrap

## Personal Project

### Graduate Project

Development of 3D Action-Role playing game and implementing AI enemies with blackboard behavior tree which has natural behavior sequences.

- Used:** Unreal Engine 4, C++

## Reference

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