

# EMRULLAH DAĞKUŞU

## Software Engineer

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Ankara , Turkey

in emrdagkusu

emrdagkusu

## WORK EXPERIENCE

### Software Engineer

#### ASELSAN

Dec 2022 - Present

Ankara, Turkiye

- Technologies: C++, IBM Rhapsody, Qt, QML
- Contributed to the development and refinement of a tank's fire control system, showcasing skills in system optimization and enhancing overall operational efficiency.
- Significantly contributed to the design and development of simulation program aimed at training military crew.

### Research Intern

#### Barcelona Supercomputing Center

Sep 2022 - Nov 2022

Barcelona, Spain

- Technologies: C++, Gem5, Ligra
- Conducted extensive research on vector processors and formulated an accelerator design tailored for graph computing.
- [Research Report](#)

### Software Engineer Intern

#### GAMS Software GmbH

June 2021 - Sep 2021

Braunschweig, Germany

- Technologies: [GAMS](#), Python, NumPy, Pandas, Qiskit
- Designed and implemented data connectors enabling file extraction, transformation, and loading for [GAMS Connect](#).
- [Letter of Recommendation](#)

## PROJECTS

### [emrdagkusu.github.io](https://emrdagkusu.github.io)

#### Personal website

- Technologies: Gatsby.js, React.js, Github Actions

### [Kucukdev](#)

#### Assistant for university students

- Technologies: Docker, Python FastAPI, Pytest, Uvicorn, React.js
- Track attendance, pick lessons in a way that they don't conflict. See schedule and overview of the week.

### [G-Know](#)

#### Notifier mobile app for GitHub account

- Technologies: Dart, Flutter, Firebase-FireStore, GitHub API
- Get notification about your GitHub account. Create a list with favorite users and notify about their changes at GitHub.

# EDUCATION

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University of Bonn

M.S. IN COMPUTER SCIENCE

 Expected 2024 - 2026


 Bonn, Germany

Incoming student for winter semester 2024/2025

Abdullah Gul University

B.S. IN COMPUTER ENGINEERING

 Sep 2018 - Jun 2023

 Kayseri, Turkiye

CGPA: 3.87/4.00

# LANGUAGES

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Turkish

Native

English

Advanced (IELTS: 7)

# SKILLS

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Languages:

C++, Python, QML, Java, Dart, JavaScript



Frameworks & Tools:

Qt, Rhapsody, GStreamer, Git, Docker, Flutter, React.js, Node.js, Express.js



Databases:

MongoDB, PostgreSQL, SQLite

# CERTIFICATES

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- [Build a Modern Computer from First Principles: From Nand to Tetris](#) (Mar/2022)  
Hebrew University of Jerusalem | Coursera
- [MongoDB Basics](#) (Jan/2022)  
MongoDB University
- [Python Data Structures](#) (Dec/2020)  
University of Michigan | Coursera
- [Introduction to Machine Learning](#) (Nov/2020)  
Bogazici University | Datacamp