EMRULLAH DAĞKUŞU

Software Engineer

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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

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

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, Turkey

CGPA: 3.87/4.00

LANGUAGES

Turkish   Native

English   Advanced (IELTS: 7)

SKILLS

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

- 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