

Rakan Zeid Al Masri

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EDUCATION

Karlsruhe Institute of Technology

B.Sc. Computer Science (Informatik); Grade: 2,3

Karlsruhe, Germany

October 2018 - present

Europäisches Studienkolleg der Wirtschaft

Feststellungsprüfung T-Kurs; Grade: 1,8

Magdeburg, Germany

October 2017 - June 2018

International School of Choueifat

Highschool Diploma; AP Scholar with Distinction Award Recipient; Note: A

Dubai, United Arab Emirates

September 2013 - June 2017

SKILLS

- **Languages:** German (C1), Arabic (Mother-tongue), English (Mother-tongue)
- **Programming:** C++, C, Java, Git, Docker, QT5, HTML/CSS, bash, LaTeX, SQL, MySQL, SQLite, Python, Oracle Database, Delphi, C#
- **Operating Systems:** Windows, Linux, UNIX
- **Office:** Excel, Word, Powerpoint

EXPERIENCE

Software development internship at the Chair for Embedded Systems at KIT

C++ Distributed Task Scheduling System

Karlsruhe, Germany

October 2019 - present

I worked on the development of a program that algorithmically distributed tasks across a cluster of worker computers. Using Docker, the program is able to distribute and run tasks on any computer regardless of the computer's host operating system or the program's required operating system. The program integrates SQL-Database and Web-API functionality as well as external frameworks, such as QT, CLI11, GTest, Docker, etc., to distribute task fairly and efficiently across the worker computers. I learned to implement theoretical software engineering principles and gained a deeper understanding of core C++ concepts.

My Website

Personal Project

Karlsruhe, Germany

November 2019 - present

My personal website that was created with CSS/HTML and the Hugo framework. The website also has integrated Google Analytics Functionality.

Material Requirements Determination

2. final project of my first semester Programming course

Karlsruhe, Germany

March 2019

I designed an interactive program that simulates a factory. Using tree logic, the user is able to construct items out of many smaller components. The user is able to inquire the program for attributes of the items, such as weight, amount, etc.

DAWN 11/15

2. final project of my first semester Programming course

Karlsruhe, Germany

February 2019

I designed an interactive board game that was inspired by the original DAWN 11/15 game by Profesor Ingo Althöfer.

VOLUNTEERING ADDITIONAL EXPERIENCE

- Volunteered in a Summer camp in my mom's village in Lebanon.
- Member of my school's IT and Robotics team.
- Participated in my school's beach cleaning program.
- Student participant in the *Dubai Cares: Walk for Education*.
- Participated in Harvard's CS50 online program.