

Rakan Zeid Al Masri

US citizen

ralmasri.github.io

linkedin.com/in/ralmasri

Email : rakanalmasri97@gmail.com

Mobile : +49-1525-560-4696

github.com/ralmasri

EDUCATION

- **Karlsruhe Institute of Technology** Karlsruhe, Germany
BSc in Computer Science *October 2018 - February 2022 (Expected)*
 - **Relevant Coursework:** Software Engineering I, Operating Systems, Computer Networks, Database Systems, Algorithms, Digital Electronics, Foundations of Computer Science.

EXPERIENCE

- **Karlsruhe Institute of Technology - Chair for Embedded Systems** Karlsruhe, Germany
Software Developer Intern *October 2019 - April 2020*
 - Worked on the development of a distributed task scheduling system in C++ in a team of five.
 - Developed the MySQL-database using the QT SQL Module framework and integrated it into other parts of the product.
 - Wrote extensive tests using the Google Test framework.
 - Wrote documentation (class diagrams, ER models, etc.) for each stage in the development process.
 - Integrated Docker functionality to allow for operation system agnostic distribution of jobs.
 - Learned about the fundamentals of C++, software design and development.
 - Used software design patterns like the Factory, Repository, Gateway, Observer and Strategy patterns to produce clear and understandable code.

PROJECTS

- **DAWN 11/15** February 2019 - March 2019
 - Built an interactive CLI board game using Java.
 - Learned and implemented core Java concepts.
- **Material Requirements Determination** February 2019 - April 2019
 - Created an interactive CLI program that simulates a factory using Java.
 - Learned how to implement a tree data structure with a large set of data.
- **My Website** Ongoing
 - Designed my personal website using the Hugo framework.
 - Hosted the website on GitHub Pages and learned about Git submodules.
 - Integrated Google Analytics functionality into the website.
- **Automation Scripts** Ongoing
 - Wrote simple bash scripts to automate parts of my workflow.

SKILLS

Programming Languages C++, C, Java, Python, SQL, HTML/CSS

Tools Git, Docker, QT, LaTeX, MySQL, SQLite, Oracle Database, Virtualbox, CMake

IDEs Eclipse, Visual Studio Code, CLion, IntelliJ IDEA

Languages English (native), Arabic (native), German (fluent)

LEADERSHIP AND EXTRACURRICULARS

- Leader of Unisition's, an university admissions consulting group, Germany team.
- Volunteered in a summer camp in Seblin, Lebanon.
- Member of my high school's IT and Robotics team.
- Student participant in the *Dubai Cares: Walk for Education*.
- Participated in *The Odin Project* Web Development online course.