

Rakan Zeid Al Masri

US citizen

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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 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 to produce clear and understandable code.

PROJECTS

- **My Website:** Designed my personal website using the Hugo framework with hosting provided by GitHub pages.
- **Material Requirements Determination:** Created an interactive CLI program that simulates a factory using Java.
- **DAWN 11/15:** Built an interactive CLI board game inspired by the DAWN 11/15 game by Professor Ingo Althöfer using Java.
- **Automation Scripts:** 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)

EXTRACURRICULARS

- 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.