Rakan Zeid Al Masri

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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   *Octrober 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 Sebline, 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.