

Georges Madi

Senior Computer & Communication Engineer Student

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Experience

REMOTE SOFTWARE ENGINEER INTERN | CERN - SWITZERLAND | JUN 2021 - PRESENT

- Working remotely within a multidisciplinary team of 4 to monitor RTD sensors using various software tools.
- Developed an end-to-end IoT monitoring chain linking a MTRS card to a website application.
- Configured a hardware system to link the MTRS card with the sensors and a Raspberry Pi to allow communication of data.
- Created a Docker network to contain the web application, set up by the execution of a single script file.
- Configured and set up a TIG Stack Web application to monitor and display the sensors' data.
- Set up a MQTT communication system to link both ends of the chain.

INNOVATION & DESIGN THINKING COURSE AMBASSADOR | USJ - LEBANON | JAN 2021 - APR 2021

- Helped 3 different teams, consisting of a total of 22 students, in learning and applying the process of innovation and design thinking.
- Guided them in their design projects that were raised from different Lebanese companies.

REMOTE RESEARCH INTERN | HEKMACARE INC. | SAN JOSE - U.S.A | AUG 2020 - SEP 2020

- Worked remotely in a team of 6 for a stealth mode startup focused on the healthcare industry.
- Researched about various technologies used in healthcare such as DICOM and PACS.
- Implemented and recommended the best open - sources that fits the company's needs.

Education

BACHELOR OF ENGINEERING IN COMPUTER & COMMUNICATION - SOFTWARE | SEP 2017 - PRESENT

Projects

RINGTEC WEBSITE | JAN 2021

- Designed in pairs a fictional company website to sell smart doorbells, using React and Firebase.

TECBENCH | DEC 2020

- Created a Python application with a GUI using PyQt to measure the speed of a user's machine and compare the results to other users in the database running on a Microsoft Azure Server.

INNOVATION & DESIGN THINKING PROJECT | BERYTECH | LEBANON | JAN 2020 - APR 2020

- Used the Design Thinking process to come up, within a team of 8, with a solution that would help the Berytech company get more USJ students to become entrepreneurs.
- Created a solution based on around 400 students answers on a survey and the interviews of several experts in the entrepreneurship domain.

Skills & Abilities

- Languages: Trilingual in Arabic, French and English
- Technical Skills: C++, Java, JavaScript, Python, React, Docker, IoT, Machine Learning, MS Office, AdobeXD