Hadi R. Al-Sandid

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PROFILE

Motivated student, with +2 years of experience working with different programming languages and frameworks. Willing to be exposed to new situations, work in a team environment, and invest time into research and prototyping. My current fields of interest are Computer Networking and IoT Systems.

EXPERIENCE

American University of Beirut   `Aug 2019 - Present`
Research Assistant - Google AI-Impact Project (2019)
Supervisor: Dr. Mazen Saghir

Currently working on an Irrigation Management System, which allows farmers to use water resources more efficiently on their agricultural fields. This includes developing an on-site hardware solution (using micro-controllers) to control irrigation routines, and also a front-end mobile application (using Android) to allow users to access agricultural field data.

EDUCATION

American University of Beirut   `Sep 2017 - Present`
BE, Computer and Communications Engineering
GPA : 3.54/4.0

Relevant Coursework: Computer Networks, Inter-Networking Laboratory, Web Services in the Cloud, Database Systems, Operating Systems

PROJECTS

Educational GameSystem *Game Client using QT/C++*   `Sep 2019 - Dec 2019`

Developed as a Term Project for the course EECE 435L ("Software Tools"), this framework offers a registration/login system, and two educational games. The main objective of this project was to familiarize us with proper software practices in the industry, such as writing re-usable code, proper documentation, and using version control systems (such as Git) in a team environment. I've worked on this project with a single teammate.

Libros *Java-Based Library System*   `Feb 2019 - May 2019`

Developed as a Term Project for the course EECE 350 ("Computer Networks"), Libros offers a user-friendly interface to look-up and reserve books available on a local database. The main technical challenge of this project was implementing a multi-threaded server, which supports basic database operations (CRUD), and listens for user requests on a specific port. I've worked on this project with 3 other teammates.

SKILLS

OOP Languages	Proficient in C/C++. Familiar with Python, Java and C#.
Front-End	Familiar with HTML/CSS/Javascript, and CSS frameworks such as Bootstrap/Jekyll
Back-End	API design using ASP.NET CORE, SQL Server, MySQL
Linux	Basic Sysadmin/Networking under different distributions (Red Hat, CentOs..).

- Fluent in English, French, and Arabic (Dialect)
- Ability to coordinate & communicate with team members, to properly manage technical projects.
- Willing to adapt, and cooperate with more experienced teammates, to overcome project challenges and constraints.

AWARDS & INTERESTS

- Academic Achievement : FEA Dean's Honor List on Spring 2018, Fall 2020
- Interests : Outdoor activities and Team Sports (Football, Tennis, Hiking..), Hosting Technical workshops, Tutoring hardware/software courses, Game Development (using Source Engine/Unity), and 3D Modeling/Animation.