Abdallah Dandashli

Computer and Communications Engineer

(+961) 70129892 / ayd06@mail.aub.edu / abdallah101.gitub.io

Education

- **American University of Beirut** (Sept 2017 – June 2021)

Bachelor of Engineering in Computer and Communications Engineering with GPA: 3.4/4 and Dean's Honor list.

Skills

- Programming Languages: C++, Python, Java, Matlab, JavaFx, MySQL, CSS, HTML, JS, CUDA,
- Languages: English (Fluent), Arabic (Native), French (Basic), German (Basic)
- Other: Adobe premiere pro & after effects, version control (Git)

Work Experience

- **Inspire Business Consult** – **Software Development Intern** (May 2020 – July 2020)

My duties were learning XML, XSD, JAXB, SQL, HTML, CSS, JS, JSP, JSF and IBM's Queue Manager. I was also taught how to customize the FTI software (Fusion Trade Innovation) which is a base software customizable in both front and back-end functionalities to achieve a Bank's needs.

- **American University of Beirut – Teaching Assistant** (Nov 2018 – Feb 2019)

I helped the lab instructor in an introductory programming course to explain to students about C++ & Matlab concepts.

Research Experience:

- **Natural Language Processing Research** (Jan 2020 – Jan 2021)

Tasks included parsing large text datasets, creating complex regex expressions, using several different APIs (DISCO, FARASA, SPACY, WORD2VEC) to manipulate data and create custom word vectors, creating different machine learning models for text classification, and finally managing a relational database using MySQL to extract relevant data and input model output.

Project Experience:

- **Final Year Project:** Developing a cryptographic solution that uses physically retrieved data to prevent a vulnerability in smartcard payment systems called "relay attack" without introducing any heavy modifications to the existing architecture.
- **Airport Reservation System:** Developed an application that implements a parking reservation system for pilots using a multi-threaded client-server architecture using Java, JavaFx and MySQL.
- **Cinema:** Developed an application using PyQt5 and MySQL that implements a platform for professors to upload videos and receive feedback from students who can enroll in courses and watch videos and give feedback.

Extracurricular Activities:

- Volunteered at "Ajialouna" NGO helping organizing rations and cloth then distributing them.
- Delegate for Cambodia in the ITU committee in the Model United Nations Conference (2015).
- Advisor for Saint Kits & Nevis delegation in the Model United Nations Conference (2016).
- Playing soccer with local team called YFA and traveling to Cyprus to play against the national team.
- Participated in several Movie Making and Speech contests.