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AHMED A. MOUSSA

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INTERNSHIPS

Web Developer | Part-Time   **Stairs Academy**, New York   **Nov 2019 – Present**
- Creating a new Website using **WordPress** and **PHP** for an Extended School Program.
- Designing and Implementing a complete **database** system for this program using **MYSQL** to store all the info needed regarding different teachers, parents, students, classes, attendance, schedule, notes… etc.

EDUCATION

CUNY – Hunter College | New York, NY   **Intended grad: Dec 2021**
B.A. Computer Science   GPA: 3.7

Alexandria University – Faculty of Engineering | Alexandria, Egypt   **Attended Sep 2015 – June 2017**
B.S. Computer Science and Engineering   GPA: 3.4

Relevant Coursework: Object Oriented Programming, Data Structures, Operating Systems, Probability Theory, Discrete Math, Calculus III, Software Engineering, Public Speaking

Coding Languages: C++, Java, Python, JavaScript
Technical Skills: Git, Linux, Windows
Bilingual Communicator (English and Arabic)

TECHNICAL PROJECTS

Enterprise Resource Planning Software, Personal Project   **May 2017 – Aug 2017**
- Created an Accounting Program using **Python** that allows its users, companies, to organize their businesses.
- Utilized **sqlite3** library to store all the materials inside the inventory, products, money transactions and all the information needed about different clients and suppliers
- The program acts as a **prototype** for a small company. It also supplies **datasheets** for clients and suppliers.

Simplified Instructional Computer (SIC) Assembler   **April 2017 – May 2017**
- Designed and implemented a simple SIC assembler in **C++** that handles all standard SIC instructions. The assembler reads a source SIC assembly program and generates the object program and the listing file.

Database Management System, Group Project   **Nov 2016 – Jan 2017**
- Led team members to establish a system that accepts **SQL** commands as an input, parses it and then executes the commands using XML docs or JSON files.
- Implemented SQL Parser in **Java**. Mainly check the validity of the command and then send an object with all the information in the command back to the controller.
- Convinced team members to refactor certain parts to make it more maintainable and reusable.

Drawing Tool, Group Project   **Sep 2016 – Oct 2016**
- Developed an interactive graphics program in **Java** using Model View Control (**MVC**).
- Added the availability of resizing, deleting, moving and coloring to five different shapes.

OTHER EMPLOYMENT

Barista and **Cashier**   **Good Barista**, New York   **Jan 2018 – Feb 2020**
- Succeeded to provide customer service for at least 200 guests on a daily basis.
- Cooperated with team members in order to provide better services and managed to increase sales by 20%.

Physics Teacher Assistant   **Egyptian Academy of Physics**, Egypt   **July 2014 – Sep 2015**
- Greatly improved learning experience by creating two new books of 100+ pages for senior students in Egypt.
- Book One provides model answers for physics workbook and previous physics exams.
- Book Two acts as a final revision for the entire physics course.

INTERESTS

Competitive Programming (Algorithms) | Cardistry