Marc Nagy Nasry Sorial

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Profile

A graduating software developer expert in various programming languages, adept at crafting robust and efficient solutions. Passionate about tackling complex challenges and contributing to innovative projects. Eager to leverage skills and expertise to make a meaningful impact in the software development industry.

Education

- **Bachelor of Computer Engineering** ---------- Sep 2019 - July 2024*
  Faculty of Engineering, Ain Shams University
  Level: Senior 2 CGPA: 3.53 (With Grade of Honor)
  Dual degree from School of Computing and Engineering, University of East London
- **IGCSE St Fatima** school---------- Sep 2016 – July 2019
  Score of 7A* and 2B, AL Mathematics
- **Collège de la Sainte Famille (Jésuites)** ---------- Sep 2007 – July 2016

Skills

Technical

Languages and Technologies:

- C (Advanced)
- C++ (Advanced)(OOP certificate)
- Java (Advanced)
- HTML
- VHDL
- Python (advanced)
- R
- Angular (html, CSS, java script)
- MATLAB
- SQL

IDE and Tools:

- IntelliJ
- Visual studio
- Microsoft Office (Excel, Word, PowerPoint, and Access)
- Keil
- IAR (Arm)
- MYSQL

Language skills

- Arabic: native language
- English: fluent
- French : fluent (Diplôme d'études en langue française (DELF B1))

Experience

Internet of things (IOT) and artificial Intelligence at NTI----------Jun 2023 – Jul 2023

- Introduce the fundamental concepts of the Internet of Things and its applications and architecture.
- To provide an appreciation for the standardization of IoT protocols that is necessary for IoT to become reality.
- To develop practical skills that can be transferred into a real-world environment.
- Embedded system applications.

Big data and data analytics at We----------Sep 2022 – Oct 2022

- Visualized and presented analysis findings in dashboards, presentations in Excel, PowerPoint, Tableau.
- Learned to use power bi to visualize data.

Customer Services and Operations at Orange Business Services (OBS)--------Aug 2022 – Sep 2022

Getting training on the following topics:

- Cloud
- IOT
- Back Seating
- Time Management
- Personal Branding

Projects

Crypto-Trading Platform ----------(C++) April 2024

- Developed a fully functional cryptocurrency trading platform using C++, utilizing real-world order book data to simulate dynamic trading scenarios and hone algorithmic trading strategies.
- Implemented advanced control flow mechanisms to create an interactive and intuitive user experience, allowing for seamless navigation and execution of trading operations within the command-line interface.
- Leveraged object-oriented design principles to modularize codebase, ensuring scalability and maintainability while facilitating seamless integration of new features and functionalities into the trading platform.

A website for DRC-CCI----------(Angular/NodeJS) Dec 2023

- Collaborated on the development of a production-level website for La Chambre de Commerce et d'Industrie RDC ÉGYPTE.
- Utilized Angular for the front end and NodeJS for the backend, ensuring a seamless user experience.
- Deployed the website on AWS, demonstrating proficiency in cloud infrastructure.
- Implemented robust security measures, including an SSL certificate, to guarantee data protection.
- Website link: https://www.drc-cci.com.

Courses

Object Oriented Programming Specialization---------- April 2024

- Provider: University of London (Coursera).
- **Utilizing Control Flow:** Developed proficiency in building interactive, multi-branched, and iterated programs to enhance user experience and functionality.
- **Data Modeling:** Demonstrated the ability to select appropriate data types for accurately modeling complex trading platform information, ensuring robustness and efficiency.
- **Algorithm Implementation:** Translated algorithms from conceptual pseudo-code into robust C++ implementations, rigorously testing their effectiveness and reliability.
- **Object-Oriented Design:** Leveraged classes to encapsulate data and functions, facilitating modularization and streamlined interactions within the program's architecture.
- **Modular Programming:** Acquired skills in constructing extensive programs by effectively organizing and integrating multiple modules, fostering scalability and maintainability.

References

Available upon request.