Ammar Algaithy

algaithyammar@gmail.com | +1 (347) 801-6000 | New York, NY

EDUCATION

Canisius University   Aug 2020 - May 2024
Double Major in Computer Science & Data Science   **Buffalo, NY**
- Relevant coursework: Data Structures and Algorithms, Databases, Software Engineering, Advanced Statistics with R, Operating System Design, Web Development, Large Scale Programming in Java, Intro to Reporting and Analysis, Automata and Algorithms, and Econometrics.

EXPERIENCE

Computer Science for Cyber Security
Participant at NYU Tandon School of Engineering   **Brooklyn, NY**
- Gained proficiency in database management systems, including designing, implementing, and maintaining databases to ensure data integrity and security.
- Learned SQL to manage and query relational databases, while gaining insights into SQL Injection vulnerabilities and the potential risks associated with malicious exploitation of database systems.
- Engaged in workshops, seminars, and conferences to stay updated on latest trends in cybersecurity.

Comprehensive Youth Development
Academic Tutor   **New York City, NY**
- Implemented a comprehensive coding curriculum teaching Python and JavaScript to students, teaching basics in programming languages.
- Tutored students in math and biology, aiding with algebra to enhance understanding and performance in NY State Regents exams.
- Collaborated with fellow educators to customize learning plans based on individual student assessments, leveraging strengths and weaknesses to create tailored tutoring strategies and maximize learning outcomes.

PROJECTS

ANTI-DYSPRAXIA GLOVE
- Created the Anti-Dyspraxia Glove as part of a four-person team, aiming to assist children with hand movement control difficulties.
- Implemented the code that utilized the incoming data from the sensors and drew conclusions.

TEXT ENCRYPTION WEB SITE
- Programmed a text encryption web application using HTML, CSS, JavaScript, and PHP, focusing on intuitive user interface and efficient functionality.
- Implemented the Caesar cipher algorithm for encrypting and decrypting text, ensuring robust security and protection of text-based data.

LIBROTECH: Flask Backed Book Review Web App
- Independently developed a book review web app, integrating Python, Flask, SQLite, HTML, CSS, and JavaScript, focusing on efficient backend development and user-friendly interface design.
- Utilized BeautifulSoup for web scraping, enhancing the app's content; aimed to augment personal skills and enrich my portfolio.

SKILLS

- **Technical Skills**: Python, R, Java, MySQL, Git, VSCode, IntelliJ, Tableau, Basic JavaScript and PHP, Docker, Linux, Agile Methodology, Excel, HTML, CSS, React, C++
- **Soft Skills:** Leadership, Critical Thinking, Team Playing, Bilingual, Passionate, Attention to Details
- **Certificates:** IBM: Intro to Cloud Computing, IBM: Intro to Web Development, Meta: Programing in Python, Code Path: Intro to Cybersecurity, IBM: Getting Started with Git and GitHub