Ali Hammoud

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Education

Lebanese American University, Lebanon   2023 - 2025
Bachelor of Science in Computer Science
Relevant Coursework: Data Structures and Algorithms , Database Management Systems, Discrete Structures, Operating Systems, Algorithms Analysis, Object-Oriented Programming

Experience

SemiColon CyberSecurity   Jan 2024 - Apr 2024
Offensive Cybersecurity Bootcamp
• Learned secure coding basics and proxy server functionalities, highlighting the critical role of secure coding in safeguarding sensitive data.

• Explored various methods of website exploitation, including HTML manipulation, SQL Injection, Cross-Site Request Forgery (CSRF), Insecure Direct Object References, and other common attack vectors, while gaining insight into attackers' strategies to access sensitive data or manipulate website functionalities for malicious purposes.

• Emphasized the significance of ongoing learning in cybersecurity, including familiarization with the OWASP Top 10, to stay updated on emerging threats and maintain a proactive defense stance.

Tutoring   Sept 2023 - Jan2024
One-on-One Private Tutoring
• Acquired practical teaching experience through individual tutoring sessions for foundational computer science courses such as Introduction to Algorithms and Computer Organization.

• Provided personalized assistance and guidance to students, aiding in their understanding of complex concepts while simultaneously strengthening my own comprehension of the subjects and refining communication and mentoring skills.

Projects

Social Media DataBase | *MySql, Sql, Java , JDBC, Apache Maven*

- Developed a prototype social media database management system utilizing SQL to emulate fundamental features of a social media platform.

- Implemented a Java-based GUI enabling different functionalities including user information retrieval, user addition and deletion, enhancing user interaction and system management capabilities.

RISC processor | *LegV8, Verliog*

- Demonstrated strong computer architecture fundamentals by designing and implementing a foundational RISC processor in a Computer Organization course project. The processor included essential functionalities such as addition, subtraction, logical shifting, and load/store operations.

Technical Skills

Languages: Java, Python, C, SQL , Bash/Shell scripting
Technologies/ FrameWorks: Spring Boot (Java), MySQL , Apache HTTP Server, Burp Suite, Linux

Languages

- **English:** Highly Proficient

- **Arabic:** Native Speaker