WAFA BDEIR

Computer Science
Green Card Holder

PROFILE

Master's graduate in Computer Science with a 3.93 GPA from Oakland University. Experienced in analyzing complex problems, with a strong foundation in programming, database management, and full-stack web development. A team-oriented professional with the technical skills needed to contribute to innovative solutions and web development projects in multidisciplinary environments.

CONTACT

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GitHub Portfolio:
https://github.com/Wbdeir90/Portfolio-Wafa.git

WORK EXPERIENCE

Oakland University, Michigan, USA | Sep 2023 - Apr 2024
Teaching Assistant (TA):
- Guided undergraduate students in programming languages including C# and Java, through personalized support and problem solving.
- Assisted the students with their final projects.
- Improved student engagement by creating a supportive and interactive learning environment.
- Designed and facilitated workshops to enhance understanding of programming concepts and foster collaborative learning.

EDUCATION

2022-2024 Oakland University, Michigan, USA
Master of Science in Computer Science

2008 -2012 Princess Sumaya University for Technology, Amman, Jordan (ABET)
Bachelor of Science in Computer Graphics and Animation

COURSEWORK

Web Development Fundamentals
Udemy | Sep 24, 2024 - Jan 6, 2025

- Mastered web development tools, including HTML5, CSS3, JavaScript ES6, Git, and GitHub.
- Gained expertise in responsive web design with Flexbox and Grid, version control, and debugging techniques.
- Developed a foundational understanding of front-end and back-end integration, including Node.js, APIs, and RESTful architecture.

TECHNICAL SKILLS

- Programming Languages: C/C++, C#, Java, HTML/HTML5, CSS, JavaScript
- Web Development: Node.js, Express.js, React.js, Bootstrap 5, jQuery
- Databases: MySQL, PostgreSQL, SQL

- Tools & Technologies: Git, GitHub, Visual Studio, Eclipse, Bash, NPM
- APIs: REST, GraphQL
- Testing: Agile Testing, White-box & Black-box Testing
- Version Control: Git, GitHub

SOFT SKILLS:

- Strong Communication
- Collaborative Team Player

- Troubleshooting & Creative Problem Solving

PROJECTS:

- Comparison of Different Implementations of Quicksort: Analyzed various Quicksort algorithms for efficiency and performance. (Computer Architecture Class)
- Michiganders Real Estate Website: Developed a dynamic real estate platform with database integration. (Database Class)
- SMS Security: Implemented security features to protect SMS communications. (Information Security Class)
- Child Task Tracker System: Designed a system for tracking and managing child tasks. (Object- Oriented Analysis and Design Class)
- Patient Tracker System: Created a system for managing patient data and tracking. (Software Engineering Class)
- Integrated Movie Management System: Developed an advanced web application for managing movie collections. (Advanced Web and Design Class)
- Child Task Application Testing: Conducted white-box and black-box testing for a child task management application. (Software Verification and Testing Class)