

Hana Wael Tag

Aspiring Front-End Developer | Computer Science Student

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Summary

I am a dedicated computer science student with a strong passion for technology and a developing skill set in full-stack development. My academic background has provided me with a solid foundation in front-end technologies, which allows me to create engaging and responsive web applications. Additionally, my interest in back-end development drives me to enhance my understanding of server-side processes and database management. I excel at transforming complex concepts into intuitive, user-friendly interfaces that enhance the overall user experience. Currently, I am focused on developing real-world projects to refine my skills and prepare for professional opportunities in both employment and freelance work.

Technical Skills

Programming Languages

- JavaScript (ES6+): Proficient in utilizing advanced JavaScript features to develop interactive web applications.
- HTML5 and CSS3: Experienced in creating semantic and accessible HTML markup and styling with CSS to achieve responsive designs.
- Python: Familiar with fundamental concepts, focusing on applications such as data analysis and back-end development.
- Java: Knowledgeable in object-oriented programming principles essential for robust application development.
- PHP: Experienced in server-side scripting and developing dynamic web applications.
- MySQL: Proficient in database management, including designing and querying databases for efficient data retrieval.
- JavaFX: Familiar with building rich desktop applications using the JavaFX framework for modern user interfaces

Front-End Development

- Responsive Design: Skilled in designing user interfaces that adapt seamlessly across various devices and screen sizes.
- UI/UX Fundamentals: Strong understanding of user-centered design principles to create aesthetically pleasing and functional interfaces.

Tools and Technologies

- Git and GitHub: Regularly utilize version control for efficient project management and collaboration in development teams.
- Visual Studio Code: Proficient in using this powerful code editor to enhance coding efficiency and productivity.

- Chrome DevTools: Employ these tools for debugging, performance analysis, and optimization of web applications.
- Figma and Adobe XD: Experienced in using design software to create wireframes, prototypes, and visual elements that bridge the gap between design and development.

Projects

Dynamic Front-End Web Projects

- Responsive Websites: Successfully developed fully responsive websites using HTML, CSS, and JavaScript to ensure an optimal user experience.
- Interactive UI Elements: Created dynamic features, including sliders and modal dialogs, alongside robust form validation to enhance user interaction.
- Focus on Accessibility: Committed to implementing web accessibility standards to ensure usability for individuals with diverse abilities.
- -Performance Optimization: Continuously assess web performance metrics and apply best practices for speed and efficiency without compromising design integrity.
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Education

Bachelor's Degree in Computer Science

Alexandria University — Expected Graduation: 2028

Relevant Coursework:

- Data Structures and Algorithms: Acquired knowledge of fundamental data structures and algorithms that underpin efficient programming practices.
- Object-Oriented Programming: Gained a comprehensive understanding of OOP principles, facilitating the development of modular and maintainable code.
- Databases: Explored relational database systems and SQL, focusing on data manipulation, retrieval, and management.