

Yousef Mheisen

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Education

Henry Ford College - Associate in Computer Science December 2024

Eastern Michigan University - Bachelor in Computer Information Systems April 2026

Technical Skills

- **Programming:** C, Java, Python, HTML/CSS, JavaScript, C#, PHP
- **Database Management:** MySQL
- **Tools:** Microsoft Office, Git, GitHub, Docker, Spring Boot, phpMyAdmin, Linux

Projects

Personal Portfolio Website

- Designed and developed a personal portfolio website to showcase projects, experience, and technical skills using HTML, CSS, and JavaScript.
- Built a responsive and visually appealing UI, ensuring a seamless user experience across desktop and mobile devices.
- Deployed the website on Netlify, demonstrating proficiency in web hosting, version control, and deployment workflows.
- Implemented an interactive navigation system, allowing visitors to explore sections such as Experience, Projects, and Contact with ease.
- Continuously updating and refining the website to reflect new projects, experiences, and technical advancements.
- Personal Portfolio: yousefmheisen.netlify.app

ELEGOO Smart Robot Kit

- Designed and assembled an autonomous robotic car using the ELEGOO Smart Robot Kit, integrating sensors, motors, and controllers.
- Programmed Motion and Obstacle Avoidance using Arduino and C++, implementing ultrasonic and infrared sensors for real-time environmental awareness.
- Implemented Line Tracking and Object Detection using IR and ultrasonic sensors to enable autonomous navigation.
- Optimized Bluetooth and Infrared Remote-Control functionalities, improving responsiveness and real-time user interaction.
- Integrated PWM Motor Control Algorithms to fine-tune speed and directional accuracy, enhancing smooth motion.
- Debugged and Troubleshoot Electrical and Software Issues, ensuring stable operation and reliable automation.

Snake Game

- Developed a fully functional Snake game in Python using the Turtle module for graphics and animation.
- Designed and implemented game mechanics, including movement, food spawning, collision detection, and scoring.
- Created an interactive user experience by integrating keyboard controls and real-time game updates with Turtle graphics.
- Implemented a game-over condition that resets the game upon collision, providing a seamless player experience.
- Documented and shared the project on GitHub, showcasing proficiency in version control and code documentation.

Experience

BP - General Manager | December 2023 – October 2024

- Managed daily operations, ensuring efficiency, profitability, and compliance with company policies. Oversaw staff training and performance to enhance customer service and operational effectiveness. Handled inventory management, financial reporting, scheduling, and payroll while implementing strategies to drive sales and improve customer experience.