Tyler Terry

tyler.b.terry@wmich.edu • (248) 497-7128 • linkedin.com/in/tyler-terry/ • github.com/tylerterry23

EDUCATION

Western Michigan University | **Kalamazoo, MI** Expected Graduation Spring 2023

B.S. - Computer Science *Combined Undergrad GPA: 3.3*

Relevant Coursework: Data Structures, Algorithms, Databases, Discrete Mathematics, Data Science, Machine Structures, Linear Algebra, Web Design and Development, Probability and Statistics, Bioinformatics, Project Management, Technical Communication, Digital Logic.

Kalamazoo Community College | **Kalamazoo, MI** 2019 - 2021

A.S - Computer Science

Oakland Schools Technical Campuses | **Wixom, MI** 2017 - 2018

Early College Program - Computer Programming

SKILLS

Proficient In: Python, HTML/CSS, MySQL, Javascript, Assembly, and C

Familiar with: PHP, C#, R, and Assembly Language

Tools & Technologies: Django, Git / Github, Bootstrap, Tailwind, Linux(Ubuntu), VMware, UTM, collaboration tools

PROJECTS

Current: Industry 4.0 Lab (Team) | *Python, HTML/CSS, Javascript, Bootstrap, MySQL*

- Developed software to create seamless interconnectivity between autonomous manufacturing equipment and broader computer systems in order to drive efficiency and productivity
- Worked as part of a team of 5 software developers, collaborating with other teams of manufacturing and engineering experts, practicing strong project management skills, technical expertise, and the ability to work effectively in a team.

Workout and Nutrition Tracker | *Python, HTML/CSS, Javascript, MySQL, Tailwind*

- Developed a web application that allows users to log their workout and diet input, displaying the information and progress in visually appealing charts, graphs, and tables.
- Demonstrated strong skills in web development, database management, and user experience design, as well as the ability to create effective data visualizations.

EEPROM Text-Based Adventure Game | *C, MSP430 microcontroller, EEPROM module, potentiometer, buttons*

- Developed a text-based adventure game featuring a spaceship that travels through a galaxy, landing on various locations in search of a hidden "flag"
- Utilized hardware such as a potentiometer, buttons, and LEDs to control the ship's traversal and display game progress
- Implemented the game using the C programming language on an MSP430 microcontroller, utilizing an EEPROM module to store game data

Personal Desktop Assistant | *Python*

- Developed a terminal application to improve efficiency and minimize distractions by providing relevant information and control over various aspects of the local machine with features such as algebraic calculations, email/text messaging, music control, and machine controls using the Python programming language

EXPERIENCE

Web Development | Freelance *October 2022 - Current*

- Design and develop websites and applications using various technologies (HTML/CSS, PHP, MySQL, JavaScript, jQuery, and APIs) to meet clients' needs and create a sustainable and scalable product with a seamless user experience.

Python Tutoring | Online / Freelance *June 2021 - Current*

- Teach and aid pre-college students in the fundamentals of programming using a project-oriented approach focused on problem-solving and algorithm design.