Tyler B. Terry

tylerterry24@gmail.com • tylerterry.tech • linkedin.com/in/tyler-terry • (248) 497-7128

EDUCATION

Western Michigan University | Kalamazoo, MI   June 2023

B.S. in Computer Science

Coursework: Data Structures, Algorithms, Databases, Web Development, Machine Learning, Data Science, Project Management, Technical Communication, Probability and Statistics, Linear Algebra, Discrete Mathematics, Secure Systems, Digital Logic

SKILLS & TECHNICAL TOOLS

Languages: Python, Javascript, PHP, SQL, HTML, CSS, TypeScript

Frameworks/Tools: Git, React, Django, WordPress, MySQL, Express, Bootstrap, Tailwind

Methodologies: Agile, Scrum, B2C e-commerce, SWOT Analysis, Test-Driven Development (TDD)

Libraries & Analysis: collections, itertools, matplotlib, pandas, numpy, PyTest

EXPERIENCE

Software Engineer (Part-Time) | *Elley Orem Collection*   *January 2021 – Present*
- Spearheaded the **WordPress** transition from B2B to B2C, amplifying consumer engagement by **50%** and **surging profitability**.
- Implemented a **dynamic storage** solution with MySQL, speeding up data retrieval by **20%** and bolstering efficiency.
- Collaborated with design teams to align software strategies, and championed the integration of **React**, **Angular**, and **Django**, yielding robust system enhancements.

Software Engineer Intern| *WMU College of Engineering and Applied Sciences*   *August 2022 – April 2023*
- Contributed to the design and implementation of an **Industry 4.0 manufacturing simulation**, directed the development of a **live dashboard** powered by Django, and aided in the creation of a robust **software suite** managing over 20 processes, improving lab efficiency and user engagement.
- Actively engaged in a multidisciplinary 18-member team, leveraging **Agile**, **Test-Driven Development (TDD)**, and recurring **SWOT Analysis** for strategic development.

Python Programming Tutor | *Freelance*   *June 2020 – July 2022*
- Delivered Python tutorials using **adaptive communication** and teaching techniques methods to over 100 students using real-world examples, raising comprehension by at least 43%.
- Assisted students in development, **debugging, troubleshooting**, and **problem-solving**, promoting hands-on learning.

PROJECTS (For more projects & live demos visit: tylerterry.tech)

AI-Powered 3D Product Designer | Javascript, React, Express, Vite, Threejs, DALLE API
- Developed a 3D product customization web application with **AI-driven logo & texture generation** via DALLE, and introduced features for **user downloads**, laying the groundwork for potential **SaaS** transformation.

E-Commerce Website| TypeScript, React, NextJS, ExpressJS, NodeJS, MongoDB
- Crafted a **MERN** e-commerce platform with Next.js server actions, dynamic TailwindCSS/DaisyUI interface, Next-Auth **authentication** (including Google login), and **optimized database** operations via Prisma.

J.A.R.V.I.S. Inspired Personal Assistant |Python
- Continuously refined command line assistant akin to Iron Man's JARVIS, focusing on **task automation**, machine monitoring, and maximizing **workflow productivity**.