Trevor Dowd

Cell: (413) 388-4761   Email: tdowddev@gmail.com

I am a creator. I enjoy being involved in the designing and implementing of something both unique and useful.

Education	**Western New England University**, Springfield, MA	August 2021 – May 2025

GPA: 3.833   **Degree:** BS in Computer Science, *summa cum laude*

Relevant Courses: Data Structures, Software Design, Software Development, Programming Languages, Design & Analysis of Algorithms, Artificial Intelligence, Design Database Management Systems, Parallel Computing.

Skills

Tech Skills:

Java, Python, JavaScript, WordPress, HTML, CSS, HubSpot, Git, SQL, Docker, Microservices, JSON, Gitlab, Excel, Scrum, Agile, TDD

How Others Describe Me:
- Attentive to Detail
- Calculated and Analytical
- Collaborative
- Dependable and Organized
- Critical Thinker

Work Experience

LLumin, Inc., Springfield, MA   March 2025 – Present
Junior Developer (Part-Time)
- Designed and developed interactive web features such as an ROI calculator using JavaScript, HTML, and HubSpot forms, contributing to increased user engagement and product visibility.
- Created UI mockups in Figma, enhancing the effectiveness of collaboration with the product owner and aligning development with user needs.
- Enhanced the company's WordPress site by optimizing HTML and CSS code for improved SEO page load performance and code maintainability, contributing to better site visibility and developer efficiency.
- Collaborated with other developers to document and explain legacy HTML and CSS code, improving team independence.
- Imported structured data into a test SQL database with Excel macros, gaining experience with data integration workflows and large-scale database systems.
- Developed foundational knowledge of the manufacturing and asset management industry, including how CMMS software supports key operational metrics.

Western New England University, Springfield, MA   September 2021 – March 2025
Student Advancement Assistant (Part-Time)
- Handled personal information for students, alumni, and donors in a database called Ellucian, entering data from Excel spreadsheets and paper documents, as well as correcting data already present in the database, familiarizing me with professional office environments and database relations.

Borawski Insurance, Northampton, MA   May 2021 – September 2024
Office Clerk (Part-Time) – Employee Benefits Section
- Performed essential office functions, assembled employee kits, and handled sensitive client/employee data in databases, familiarizing me with professional office environments and handling sensitive data.

Projects **ROI Calculator Project**
LLumin, Inc., 05/2025 – Present
- Leading the development of interactive ROI calculator tools to be embedded in the company's WordPress site using HubSpot, JavaScript, and HTML.
- Communicating with the product owner to define feature requirements, user interface behavior, and core calculation logic, before translating into technical specifications.
- Enhanced skills in cross-functional communication, requirements gathering, and adapting to unfamiliar platforms such as HubSpot and WordPress.

Senior Capstone Project – LibreFoodPantry (Bear Necessities Market)
Western New England, 09/2024 – 12/2024
- Collaborated with an Agile Scrum team to make contributions to a FOSS (Free Open Source Software) project for the LibreFoodPantry community.
- Worked with a microservices architecture using an Open Restful API, gaining experience with event-driven architectures such as RabbitMQ.
- Implemented new features such as development containers and hot reloading with containerization techniques using Docker to increase developer efficiency.
- Worked with a CI/CD pipeline in GitLab, performed both automated and manual testing, and maintained detailed documentation, gaining experience with source control.
- Practiced Agile methodologies such as weekly sprint reviews, retrospectives, and peer feedback, similar to professional development environments.

Junior CS-364 Database Design Project
Western New England, 03/2024 – 04/2024
- Designed and implemented a relational database from scratch in SQL including conceptual, logical, and physical schemas, with stored procedures, functions, and views to enable data interaction and query optimization.
- Enhanced my understanding of data modeling, normalization, and entity-relationship design principles in practical implementations.

Automated File Renaming Tool – Benefits Election Forms
Borawski Insurance, 12/2023 – 01/2024
- Designed and implemented a Java application which automated the task of renaming 1,800+ employee benefit election forms, streamlining a task expected to be manual.
- Tool reduced labor time by over 50%, including the time to design and develop the tool, and received praise from stakeholders at Nonotuck for its impact on the efficiency of the task.

Super Smash Bros. Ultimate File Duplicator Project
Personal Project, 1/2024 – 2/2024
- Built a Python-based CLI tool which duplicates given files into specific directories for game modding purposes, compiled into an executable.
- Leveraged libraries such as os and subprocess to manage file system and CLI integration.
- Gained hands-on experience with version control, script deployment, and community-driven development, achieving 85+ downloads on GitHub and GameBanana.

Awards Dean's List (Semester GPA > 3.5)   Fall 2021 and 2022

President's List (Semester GPA > 3.8)   Spring 2022, 2023, 2024, and 2025, Fall 2023