



Zachary Dyszel

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PROFILE: Software Engineer

Computer science undergraduate student pursuing a Master's degree with a focus on software engineering, full-stack web development, and artificial intelligence. Driven by problem solving and continuous technical growth. I have a strong interest in expressing creativity through my professional work, and I translate personal interests in digital design, visual media, and interactive experiences into functional, user-centered web and AI-powered applications.

EDUCATION

Bachelor of Science

West Chester University, West Chester, PA
Major in Computer Science
GPA 3.81/4.0, Dean's List (all 6 semesters)

Masters of Science

West Chester University, West Chester, PA
Masters in Computer Science
Accelerated B.S./M.S. Program

SKILLS

- Experience in backend and frontend development with a focus on UI/UX design
- Programming languages and frameworks: Java, Python, Spring Boot, HTML, CSS, JavaScript
- Design and prototyping tools: Adobe Photoshop, Figma

PROJECTS: Software Engineering & Applied AI Development

Email Spam Detection System

- Designed and implemented a Java-based email classification system utilizing Euclidean distance metrics, keyword frequency analysis, and repetition detection to identify and filter spam content
- Developed modular scoring logic to evaluate message similarity and improve classification accuracy across diverse email datasets

E-Commerce Platform Simulation

- Built a full-stack Java application simulating customer and administrative workflows for an e-commerce platform
- Engineered backend data handling using HashMaps, AVL trees, and list-based structures to optimize inventory management and transaction processing
- Designed a graphical user interface (GUI) to support real-time user interaction and system navigation

Personal Website

- Developed and deployed a personal portfolio website showcasing software projects and technical skills using modern frontend design principles
- Implemented responsive UI/UX features to ensure cross-device compatibility and improved user engagement

WCU HR AI Chatbot Assistant

- Developing an AI-driven chatbot to assist with human resources inquiries, providing automated responses to common employee questions
- Integrating natural language processing logic to improve intent recognition and conversational accuracy across HR-related use cases

TEACHING EXPERIENCE

Academic Tutor, West Chester University, West Chester, PA January 2025–May 2025

- Provided one-on-one and small-group tutoring for undergraduate computer science courses, including Java programming, data structures, and software design principles
- Assisted students with debugging, algorithm development, and conceptual understanding to improve academic performance and problem-solving skills
- Developed personalized study strategies and technical explanations to support diverse learning styles
- Achieved high client satisfaction ratings due to increases in their academic performance

PROFESSIONAL EXPERIENCE

GIANT Food Store, Pottstown, PA January 2022–August 2025 **Meat Department Team Member**

- Provided customer service in a high-volume retail environment, assisting customers with product selection, special orders, and food safety inquiries
- Maintained department organization, inventory rotation, and quality control in compliance with food handling and sanitation standards
- Collaborated with team members to ensure efficient workflow, timely restocking, and consistent department presentation
- Worked well independently and on a team to solve problems
- Organized and prioritized work to complete requests in a timely, efficient manner
- Served as a friendly, hardworking, and punctual employee