

Zackary B. Savill

zmangold0425@gmail.com | (m) 774.225.9012 | [Zackary Savill](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Motivated and detail-oriented student with strong communication, problem-solving, and project-execution skills. Experienced in collaborating on team initiatives, managing deadlines, and contributing to creative and analytical work. Eager to apply my academic knowledge and hands-on experience to a dynamic company where I can learn quickly and add value from day one.

SKILLS

- Effective research, problem solving, organizational, and interpersonal skills
- Role model, leader, instructor, and mentor
- Confident communicator
- Proficient in computer programs and applications
- Understanding of foundational computer science principles, including algorithms, data structures, and object-oriented design
- Experienced in the following coding languages: Java, Python, C and C++, HTML

EDUCATION

Worcester Polytechnic Institute (WPI)

Fall 2023 – Present

- **GPA:** 4.0
- **Declared Major:** Computer Science (BS anticipated in Spring 2027, MS anticipated in Fall 2027)
- **Relevant Coursework:** Computer Science, Machine Learning, Software Engineering, Electrical And Computer Engineering, Database Systems, 3D Modeling, Business Communication, Project Management

WORK EXPERIENCE

Worcester Polytechnic Institute (WPI)

Sept 2026 – Present

Teaching Assistant | Course: Introduction to Program Design

- Provide one-on-one academic support, helping students troubleshoot assignments and strengthen problem-solving skills.
- Assist students with core programming concepts, debugging strategies, and applying course concepts to assignments.
- Manage office hours to address student questions, guide project work, and improve course engagement.

Attleboro/Norton YMCA

Summer Camp Counselor

June 2025 – Aug 2026

- Monitor campers throughout the day to ensure safety and appropriate behavior.
- Follow all camp safety protocols, including emergency procedures, first aid basics, and risk-management practices.
- Lead or assist with activities such as sports, arts and crafts, swimming, outdoor skills, drama, or specialty programs.
- Foster friendships, inclusion, and teamwork among campers.

Americas Best Defense Martial Arts Academy

Summer Camp Head Counselor/Instructor

June 2024 – Aug 2024

- Developed daily lesson/activity plans.
- Organized team activities/games and acted as referee or facilitator.
- Demonstrated techniques, explained rules, and encouraged creativity and participation.
- Responsible for 20+ students ages 5-13 and management of assistant counselors.

Martial Arts Instructor/Mentor

Sept 2021 – Aug 2024

- Completed Martial Arts Instructor College Program.
- Served as a positive role model, offering guidance, motivation, and emotional support.
- Communicated effectively with leadership and fellow staff to maintain smooth operations.
- Responsible for teaching students ages 5-15 the core principles and forms of martial arts (Kenpo).

LEADERSHIP

Fraternity: Lambda Chi Alpha

Nov 2024 – Present

- **Core Values:** Loyalty, Duty, Respect, Service & Stewardship, Honor, Integrity, Personal Courage.
- **Leadership Positions:**
 - **Standards Chair:** Ensured officers upheld responsibilities and fraternity standards; led monthly goal-setting and issue-resolution meetings; mediated conflicts between officers and brothers.
 - **Academic Chair:** Oversaw fraternity academic performance, supported brothers needing assistance, and held members accountable to academic goals; organized and hosted the annual Celebration of Excellence for brothers, alumni, families, and the school.

Honor Society: Upsilon Pi Epsilon

Jan 2026 – Present

- **Mission Statement:** The mission of Upsilon Pi Epsilon is to recognize academic excellence at both the undergraduate and graduate levels in the Computing and Information Disciplines at WPI.

Zackary B. Savill

zmangold0425@gmail.com | (m) 774.225.9012 | [Zackary Savill](#) | [LinkedIn](#)

PROJECTS

All-in-one Enterprise Resource Planning & CRM Platform — MQP

Sept 2026 – Present

- **Group Size:** 4
- **Project Type:** Major Qualifying Project (MQP)
- **Status:** Active development
- **Description:** Collaborated with a student team to design and prototype an integrated Enterprise Resource Planner (ERP) and Customer Relations Manager (CRM) system sponsored as a Major Qualifying Project (MQP) by WPI and a faculty advisor. Building core functionality for an all-in-one business management platform, including employee time-tracking, tax form generation and integration, conversion pipeline tools, profit dashboards with analytics, and AI-driven features across the application.
- **Skills:** SQL Postgres Database, React, Typescript, Next.js, Component-based design using shadcn., The application will be hosted on DigitalOcean as well as local servers (Prod->DO, Dev-> locally hosted).

Teaching Assistant Portal — Course Project

Jan 2026 – Mar 2026

- **Group Size:** 4
- **Project Type:** WPI class CS 3733 Software Engineering
- **Status:** Complete [Grade A]
- **Description and Output:** Built a two-user web application that streamlined how professors manage TA positions and how students discover and apply for them. Built professor tools to create course sections, define TA roles with custom qualifications, and efficiently review and approve/decline applications. Developed the student interface to browse TA openings, submit applications, and receive recommended positions based on profile-to-qualification matching, improving application quality and overall usability.
- **Skills:** Full-stack development, Flask, SQL Postgres Database, AWS deployment

Venice Artifact Survey — IQP

Oct 2025 – Dec 2025

- **Group Size:** 4
- **Project Type:** Interactive Qualifying Project (IQP)
- **Status:** Complete [Grade A]
- **Description and Output:** Intensive professional-level research-driven team project. Conducted field research through the WPI Venice Project Center (Venice, Italy) in partnership with sponsor SerenDPT, surveying 1,285 historical artifacts across Venice and its surrounding islands. Collected detailed data on each artifact's location, condition, components, and inscription content, and standardized the information to strengthen and modernize Venice's cultural heritage databases. Improved data quality, accessibility, and long-term preservation efforts by enhancing records used by researchers, city partners, and conservation initiatives.

PROJECT EXPERIENCE

- Hands-on experience working in Unix-based command-line environments (e.g., Linux).
- Developing software systems, APIs, or backend services.
- Familiarity with Git-centric development workflows and version control best practices.
- Exposure to AI-assisted coding tools (such as GitHub Copilot) with the ability to evaluate and refine generated code.
- Experience with unit testing frameworks and core concepts in automated testing.
- Moderate experience with Dockers and AWS deployment.

AWARDS

- **WPI Dean's List**
Semesters: Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025 and Spring 2026 (<https://meritpages.com/zsavill27>)
- **Academic Scholarships**
WPI Presidential Scholarship, Practice and Theory Award, Lambda Chi Alpha Foundation Scholarship Award (WPI), and Lambda Chi Alpha Pi Zeta Alumni Academic Award