Ryan Addeche

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Objective:

Aspiring Software Engineer with a solid foundation in various programming concepts, seeking to enhance technical expertise through hands-on experience in a dynamic job opportunity that is focused on contributing to a greater cause.

Education:

Worcester Polytechnic Institute- Worcester, MA   May 2026
Bachelors of Science in Computer Science

Skills:

Languages: Java, Python, TypeScript, JavaScript, C++, HTML, CSS
Frameworks & Tools: Next.js, React, tRPC, Prisma, NextAuth, Flask, Node.js, SQLAlchemy, Git, GitHub, Agile Development

Work Experience:

Pulsence   May 2025- July 2025
Software Engineering Intern
- Developed a functional demo of an AI agent tailored for restaurant customers in Python to showcase product capabilities
- Leveraged AWS services (S3, Lambda, API Gateway and Amplify) to build a scalable cloud-based backend
- Collaborated with a small startup team, translating technical requirements into deliverables aligned with client use cases

Play-Well TEKnologies   November 2024- May 2025
Instructor
- Lead hands-on STEM classes for children (K-6) using LEGO-based engineering concepts
- Engage students in interactive lessons covering mechanics, physics, and problem-solving

Project Experience:

Student Assistant Solver Tool - Worcester, MA   August 2025 – Present
- Collaborated with 3 students to design and build a full-stack web app for automating the student assistant selection process
- Cut assignment time from 10+ hours to 1 hour by digitizing workflows and integrating automation for instructor approvals.
- Developed using Agile practices and GitHub version control, leveraging weekly sprints, pull requests, and code reviews. Built with the T3 stack (Next.js, TypeScript, Tailwind, tRPC, Prisma, NextAuth) and deployed via SSH to a local server.

Inventory Organization System – Worcester, MA   July 2025
- Automated PDF parsing using python libraries to extract and count order numbers, reducing trips in the inventory workflow
- Implemented by client, decreasing inventory processing time by 50% which led to cutting weekly overhead by 5 hours

Interactive Qualifying Project - Venice, Italy   May 2024- June 2024
- Collaborated with a team of three colleagues and two advisors to design a multimedia exhibit framework
- Contributed to the team's effort by creating the virtual section of the exhibit via a website

Activities:

Zeta Psi Fraternity Inc.
President   November 2024- Present
- Manages and provides strategic oversight for all executive officers and committee chairs
- Serves as primary liaison with national HQ, ensuring compliance with organizational standards
- Facilitates weekly chapter meetings, delivering updates on operations, business matters, and member engagement initiatives

NCAA Division III Wrestling   August 2022- Present
Member
- Minimum 20 hours per week dedicated to team building character development and a rigorous schedule that requires discipline, flexibility, time management skills and physical conditioning

WPI Freestyle Wrestling Club
President   December 2023- December 2024
- Manages team roster and communicates with school officials to keep club operating