Edward Stump

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA
Candidate for B.S. in Computer Science - 3.76   May 2025

Related Courses: Object Oriented Design, Systems Programming Concepts, Algorithms, Machine Organization and Assembly Language, Databases, Software Engineering, Operating Systems

PROJECTS

Hospital Application (Java, SQL, FXML)   Spring 2023
- Wrote application to manage service requests, pathfinding, department moves, user account management, and more for Brigham and Women's Hospital
- Worked in 10 person team using agile methodology, git version control, Jira
- Designed usable and user friendly pages in the application using Gestalt Principles
- Created interface with a postgreSQL database using the DAO design pattern

Minecraft Image Reader (Python)   Fall 2021
- Wrote a custom image to text algorithm to get player names from a screenshot of the game
- Used an API to get player statistics using the names in real time for better gameplay

Planet Physics Simulator (Java)   Fall 2019
- Modeled physical equations in code to simulate planet physics in 2-D environment
- Built ability to view planets and stars from the surface of another planet with lots of math

Eagle Scout Project   Spring 2021
- Planned and organized construction of an arbor for the Giving Garden in North Andover
- Managed logistics related to construction, transportation, tools, materials, and safety
- Led 28 Scouts and adults for a total of 180 volunteer-hours

EXPERIENCE

Evisions, Remote - Internship   Summer 2023 / 2024
- Built system for users to use generative AI to build custom data visualization dashboards
- Worked with React, TailwindCSS, and other modern web design tools and frameworks

South Church, Andover, MA - Summer Intern   Summer 2022
- Handled transportation, parent volunteer coordination, and other logistics
- Ensured the safety and enjoyment of 50 children throughout the program

SKILLS

Programming languages: Java, C, Python, Racket, HTML, CSS, SQL, FXML, Javascript, Typescript
Tools / Software: IntelliJ, PyCharm, Excel, VSCode, Figma, Vercel, React, TailwindCSS, Zod, Jira, Github

ACTIVITIES/LEADERSHIP

Alpha Chi Rho Fraternity - Vice President   Spring 2024 - Spring 2025
- Managed 7 committees with wide ranging internal and external responsibilities
- Modernized and updated leadership manuals for all fraternity officers

Boy Scouts of America - Eagle Scout   Spring 2021
- Led Troop of 50 Scouts, adapting schedules, procedures and activities to fit COVID restrictions, including outdoor meetings, video meetings, and modified camping trips
- Planned and led a 5 week leadership course for the troop
- Led and participated in construction of bridges and trail maintenance on Andover Trails