Edward Stump

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA
Candidate for B.S. in Computer Science - 3.72   May 2025

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

SKILLS

Programming languages: Java, C, Python, Racket, HTML, CSS, SQL, FXML
Software: IntelliJ, PyCharm, Excel, Scenebuilder, VSCode, Figma

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 and git
- Designed usable and user friendly pages in the application using gestalt design principles
- Wrote code to interface with a postgreSQL database using the DAO design pattern

Minecraft Image Reader (Python)   Fall 2021
- Wrote an image to text algorithm to extract player names from a game screenshot
- Used an API to get player statistics for better gameplay

Planet Physics Simulator (Java)   Fall 2019
- Used gravity equations to simulate planet physics in 2-D environment
- Implemented GUI interface to add more planets in real time

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
- Participated in program that gave hands on experience in all aspects of a software company
- Experienced all departments, including Engineering, Product, Sales, Finance, and Client Experience

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

ACTIVITIES/LEADERSHIP

Boy Scouts of America - Eagle Scout
- 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

Other Volunteer Activities
- Habitat for Humanity - Painted, moved furniture, and cleaned the building
- Merrimack Valley Community Food Bank - Sorted and organized donated food
- Neighbors in Need - Bagged and delivered food to families in need