

EDUCATION

Worcester Polytechnic Institute (WPI) — Worcester, MA

Bachelor of Science in Computer Science, Minor in Financial Technology, May 2024 — GPA: 3.71

Honors: High Distinction

Relevant WPI Courses — Software Engineering; Webware; Intro to AI; Machine Learning; Algorithms; Object-Oriented Design; Operating Systems Concepts; Mobile and Ubiquitous Computing; System Programming Concepts; Database Systems

TECHNICAL SKILLS

Primary Languages — Java and Python

Experience with — React, JavaScript, HTML, CSS, SQL, C, C++, R, Kotlin, AWS, Git, GitHub, Figma, Jira

PROJECTS

7Factor AWS Analysis: Major Qualifying Project – Python and React 8/2023 – 5/2024

- Co-led a team of five to assist 7Factor, a custom application company, to analyze and minimize AWS spending.
- Engineered web applications with a Python backend and React frontend, providing a solution to reduce AWS costs.
- Created new tools that will be used by 7Factor to better optimize their AWS cloud spending.

Sharpify: Image-Enhancing Website – React, Node.js, Express, MongoDB and Firebase 3/2024 – 5/2024

- Served as the primary backend engineer, in a team of three, for Sharpify - a custom web-based image enhancement tool.
- Implemented the Deep Image API for advanced image enhancements, ensuring high-quality outputs.
- Optimized performance and data retrieval for a seamless user experience, managing the data with Firebase and MongoDB.

Brigham and Women's Hospital Desktop Application – Java, JavaFX and PostgreSQL 3/2023 – 5/2023

- Assisted in leading a 10-person Agile team to develop a prototype desktop application for hospital employees.
- Coded an app with service requests, pathfinding, map-editing, and directional signage capabilities to enhance efficiency.
- Presented the application to hospital staff, showcasing the app's functionality and its potential impact on daily operations.

MOSE App: Interactive Qualifying Project – Adobe XD 8/2022 – 12/2022

- Worked with three students to design an interactive mock-up for the *Commissario Straordinario MOSE* (Venice, Italy).
- Created a prototype that simulates user interactions, displaying “real-time” updates on gate activation and tide levels.
- Delivered a dynamic mock-up, demonstrating the potential of the mobile app to enhance public safety and awareness.

HomeHub Web Application (In Progress) – React, Node.js, Express and MongoDB 2/2024 - Present

- Collaborating with a partner to develop a web application to streamline roommate management.
 - Serving as a Full-Stack Engineer, responsible for frontend development and the corresponding backend logic.
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PROFESSIONAL EXPERIENCES

New Blue Interactive: Software Intern — Remote Internship 6/2022 – 8/2022 & 6/2023 – 8/2023

- Utilized Python to develop dashboards displaying live campaign funds raised and to track financial marketing efforts.
- Created dynamic marketing emails using HTML, CSS, and JavaScript which were sent to over 10,000 recipients.
- Automated email content generation based on recipient feedback and preferences.
- Improved campaign engagement and reporting accuracy, facilitating better decision-making for client campaigns.

Technical Computer Solutions: Intern — Holden, MA 6/2021 – 8/2021

- Executed hardware adjustments and software installations to ensure optimal performance and functionality of client systems.
 - Enhanced client satisfaction through effective communication and timely delivery of fully operational setups.
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EXTRACURRICULAR ACTIVITIES & AWARDS

Master/Assistant Carpenter for Theatre Productions — WPI, Worcester, MA 9/2022 – 5/2024

- Led a team in building sets, coordinating efforts between the construction and design teams to actualize the creative vision.
- Contributed to set designs, applying technical skills and innovation to enhance production quality and visual impact.

Member of National Theatre Honor Society, Alpha Psi Omega — WPI, Worcester, MA 4/2024

Presidential Scholarship — WPI Merit Scholarship 8/2020 – 5/2024