Jacob Murphy

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EDUCATION

WORCESTER POLYTECHNIC INSTITUTE (WPI)   **Worcester, MA**

Bachelor of Science in Computer Science   Graduation - May 2026

Data Science Minor   GPA: 3.69

Relevant Coursework: Software Engineering, Database Systems I, Object Oriented Design Concepts, Systems Programming Concepts, Algorithms, Operating Systems, Machine Learning, Data Mining

EXPERIENCE

Software Engineer Intern, Calld, Remote   June 2023 - August 2023
- Developed a full stack mobile web application using Node.js and TypeScript
- Operated with Prisma as a database and utilized API to retrieve client-side data
- Executed assignments proficiently and met all deadlines

Part-Time Sales Associate, Five Below, Braintree, MA   July 2020 - December 2022
- Worked with sales team to collaboratively reach targets, consistently meeting or exceeding personal quotas
- Maintained calm demeanor and professionally managed issues in busy, high-stress situations
- Trained new employees on customer service, money handling and organizing strategies

PROJECTS

Brigham and Women's Hospital Web Application, WPI   April 2024
- I worked on an 11-person team to apply Agile development methodologies and software design patterns in the creation of a web application prototype running the cloud for Mass General Brigham Hospital.
- The web application was developed using React.js, Typescript, Material UI, Express, Prisma ORM, and PostgreSQL. Deployment on the cloud was accomplished using AWS EC, a Docker container, and AWS RDS to run the PostgreSQL server.
- The final software application prototype included hospital pathfinding, a map editor, and multiple integrated service request modules. The cloud application prototype that was created informed the hospital representatives about potential features, user interfaces, and design approaches with respect to the application being written by the hospital software development team.

Sales Analysis Program, WPI   February 2023
- Created a program using the file scanning features of C which processes the yearly sales reports of a coffee shop
- Prints the top earners of each month to help optimize the shop's menu for sales
- Implemented command line arguments to allow for customized sales report outputs

ACTIVITIES/LEADERSHIP/AWARDS/HONORS

Recruitment Leader, Interfraternity Council, WPI   April 2023 - Current
- Educate first year students about Greek Life and inform them about the recruitment process
- Facilitate house tours at the start of formal recruitment

Steward, Tau Kappa Epsilon Fraternity, WPI   August 2023 - Current
- Purchase food and cleaning supplies for our chapter weekly while ensuring that our chef's needs consistently met

Club Powerlifting, WPI   March 2023 - Current

WPI Dean's List   Fall 2022, Spring 2023

ADDITIONAL SKILLS

Programming Languages: Java, C, Python, React.js, TypeScript, SQL, C++
Software Frameworks: React.js, Material UI, Express, Pandas
Software Development Tools: Visual Studio Code, IntelliJ, WebStorm, GitHub, Taiga
Languages: Spanish (Working Proficient)