

**PARKER VAN HAM** | parkervanham@gmail.com | (603) 738-1695

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## EDUCATION

**Worcester Polytechnic Institute (WPI)** – Worcester, MA

**Bachelor of Science in Computer Science**, graduating August 2025

GPA: 3.2 / 4.0

## TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, HTML, CSS, SQL

Frameworks/Tools: React, Node.js, Express, MongoDB, Git, Microsoft Office, Oracle, SolidWorks

Concepts: Object-Oriented Programming, Full-Stack Development, Agile/Scrum, Web Development, Database Systems

## PROJECTS

**Z3 Wellness Sleep App** – Full-Stack Developer

WPI Major Qualifying Project, August 2023 – May 2024

- Collaborated on improving a sleep and wellness tracking web app, continuing work from previous MQP teams.
- Conducted a user study to identify usability issues and inform redesign.
- Developed a new frontend UI, strengthened backend functionality, and implemented improved error handling.
- Reorganized codebase to enhance maintainability and support future development.
- Final report: [https://digital.wpi.edu/concern/student\\_works/2z10wv496?locale=zh](https://digital.wpi.edu/concern/student_works/2z10wv496?locale=zh)

**El Parque Redevelopment Project – Panama City, Panama** – Data Analyst / Community Researcher

Global Projects Program, Fall 2022

- Partnered with Fundación Ciudad del Saber to evaluate and recommend improvements to a public park.
- Conducted and analyzed community surveys, and assessed geographical and financial data.
- Delivered a final proposal to local stakeholders, including prioritized infrastructure improvements.
- Final report: [https://digital.wpi.edu/concern/student\\_works/br86b6951?locale=en](https://digital.wpi.edu/concern/student_works/br86b6951?locale=en)

**Hospital System Application for Brigham and Women's Hospital** – Frontend Developer

Software Engineering Course Project, March 2022

- Worked in a team of 10 to design a hospital service management app.
- Implemented a meal delivery system, a search function, and contributed to an interactive map feature.
- Helped oversee main dashboard development and ensure consistent UI design.

## JOB EXPERIENCE

**Common Man Roadside** – Cook, Hooksett, NH

May 2023 – Present

- Prepared and managed a variety of dishes in a fast-paced kitchen environment.

**Bow Parks and Recreation** – Camp Counselor, Bow, NH

May 2022– August 2022

- Led daily activities for children ages 5–13, fostering teamwork and communication.

**Page's Country Store** – Cashier & Deli Worker, Dunbarton, NH

May 2021 – August 2022

- Handled point-of-sale transactions and food prep in a customer-facing role.

## LEADERSHIP & ACTIVITIES

Sigma Alpha Epsilon Fraternity – Worcester, MA

- Member Educator (Aug 2023 – May 2024): Delivered educational modules to members as part of national program.
- Recorder (Aug – Dec 2021): Managed internal communications and event calendar.

Clubs: Golf Club, Club Soccer, Spikeball Club