Logan Lutolf

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OBJECTIVE

Enthusiastic and adaptive Computer Science student seeking a software engineering or database management internship.

SKILLS

Languages & Software: Java, JavaScript, Python, C, C++, SQL, HTML5, CSS, TailwindCSS, React, Visual Studio, IntelliJ, Git, Oracle SQL Developer, JDBC

General: Object Oriented Programming, Systems Programming, Algorithm Development, Database Management, Agile and Scrum Methodologies, Collaboration, Creative Problem Solving, Communication, Organization, Time Management

EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

BS in Computer Science, GPA 4.0 **May 2028 Graduation**

PROJECTS

Hospital Database **August 2025 – October 2025**
- Designed and modeled an entity-relationship diagram for a mock hospital database, mapping it to a relational schema with 13 relations in Oracle SQL.
- Partnered with another student to write and implement 20+ SQL queries, views, and triggers for the database.
- Constructed a Java application using JDBC to retrieve and display patient, doctor, and hospital admission data.

Fruit Picking Robot **August 2025 – October 2025**
- Collaborated with a team of four to design and build a robot capable of semi-autonomously picking artificial fruits from PVC pipe "trees".
- Developed and implemented a proportional control algorithm enabling the robot to detect, approach, and harvest fruit autonomously.

Photography Website **July 2025 – Present**
- Developing a personal photography website with HTML and CSS, with plans to rebuild the front end using React for improved scalability and interactivity.
- Self-teaching modern web development concepts, including responsive design and component-based architecture, to enhance functionality and user experience.

WORK EXPERIENCE

Merchandise Associate, HomeSense, Princeton, NJ **October 2023 – July 2025**
- Delivered personalized customer assistance to enhance satisfaction and loyalty.
- Increased sales through proactive product promotion, furniture setup, and credit card enrollment.

Sales Associate, Lands' End, Princeton, NJ **July 2022 – March 2023**
- Facilitated email capture through the Birthday Rewards Program, promoting customer engagement and expanding the store's customer database.
- Managed cash register operations, including processing sales, returns, and exchanges.

ACTIVITIES & LEADERSHIP

DEI Committee, Sigma Pi Gamma Iota, WPI **January 2025 – Present**
Community Advisor, WPI **August 2025 – Present**
Interim Treasurer, Photography Club, WPI **August 2025 – October 2025**