

# Logan Lutolf



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## OBJECTIVE

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

## EDUCATION

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**Worcester Polytechnic Institute (WPI), Worcester, MA**  
BS in Computer Science, GPA 3.83

**May 2028 Graduation**

## SKILLS

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**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

## PROJECTS

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### 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

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### Merchandise Associate, HomeSense, Princeton, NJ

**October 2023 – January 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

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**DEI Committee, Sigma Pi Gamma Iota, WPI**

**January 2025 – Present**

**Community Advisor, WPI**

**August 2025 – January 2026**

**Interim Treasurer, Photography Club, WPI**

**August 2025 – October 2025**