

Robert Prevost

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EDUCATION

University of Illinois at Urbana Champaign

Bachelor of Science in Computer Science

- Transfer GPA: 3.91

Champaign, IL

Aug. 2025 – May 2027

Harper College

Associates in Engineering Science

- GPA: 3.91

Palatine, IL

Expected May 2025

EXPERIENCE

Lake Cable LLC

Software Engineer

- Worked closely with engineers and schedulers to design web-based solutions for improved efficiency in the quality, IT, material and scheduling departments.
- Full stack environment (PHP, SQL Server, JS, CSS, HTML)
- Worked closely with IT working on network solutions for the plant and maintaining computers on the floor.

Bensenville, IL

July 2023 – Present

PROJECTS

Nuclear Particle Physics System

Solo Project Lead

- Recreated a particle physics engine using two of the four fundamental forces.
- Successfully formed atoms with orbiting electrons through only the Electric and Strong Nuclear force.
- Utilized Coulomb's Law and Yukawa Potential for force calculations.
- Link to showcase: [Particle System Showcase](#)

Roblox Development

2025

Manufacturing Visualization System

Lead Developer

- Created real-time production tracking interfaces (10,000+ lines) for job status monitoring and shift management
- Implemented dynamic scheduling system for managing work orders and print dates
- Developed operator interface with integrated tutorial system for improved user onboarding

Full-Stack Application

2023 – Present

Database Migration Project

Database Engineer

- Led complex SQL server migration utilizing CTEs, merge statements, and graduate-level SQL functions
- Co-spearheaded an initiative to migrate 150+ tables to a new database architecture, implementing rigorous testing protocols that allowed for a seamless conversion from the MySQL to SQL server branch.

SQL Development

2024

AWARDS

University of Illinois at Urbana Champaign

Guaranteed Admission for BS in CS through Engineering Pathways Program

- Maintained 3.5+ GPA with no grades lower than a B
- No dropped classes, semi-annual advisor meetings

Champaign, IL

Harper College

Academic Achievements

- Recipient of the Pathways Engineering Scholar Scholarship (Full-term coverage)
- Finalist in Student Math League college-wide yearly competition.

Palatine, IL

TECHNICAL SKILLS

Languages: Java, JavaScript, Lua, Python, CSS, HTML, PHP, C++, SQL Server, MySQL, PostgreSQL, Lua

Development: Front-end and back-end development, Manufacturing systems

Tools & Technologies: Excel, Command-line, Data analysis

Concepts: Object-Oriented Programming, Database Design, Full-stack Development, System Architecture