

Jaxon Q. Schraut

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EDUCATION

University of Michigan, Ann Arbor, MI

May 2028

B.S., Computational Cognitive Science; Minor in Computer Science | GPA: 3.03

Relevant Coursework: Data Structures & Algorithms, Statistics, Machine Learning via NLP, Human-Computer Interaction, LLM Anatomy, Human Perception

WORK EXPERIENCE

Sequoia Automatic, Crystal Lake, IL

Artificial Intelligence Intern

Jun 2026 – Present

- Facilitate the creation of ChipIQ, an AI-powered data analysis software that extracts CNC machine productivity information through GCode commands and reports it to a private dashboard, providing on-demand visibility.
- Documented full start-to-finish CNC programming process used by Sequoia, as a training manual at multiple international manufacturing plants.

Engineering Intern

Jun 2025 – Aug 2025

- Codesigned a more organized storage system with Senior Engineers and Quality Control Staff, improving the efficiency of machine operators with better visualization.

SV Precision Components Co., Ltd, Jiangsu, China

CEO Shadow

May 2025

- Learned about operational efficiency practices across a 300,000-sq-ft automotive and HVAC components factory by conducting structured interviews with the President/CEO and factory staff.

TECHNICAL PROJECTS

- Built a Python-based cipher tool implementing classic encoding/decoding algorithms (e.g., Caesar, Vigenère), demonstrating applied cryptographic logic and string manipulation.
- Developed a Java-based image-drawing application supporting shape tools, applying object-oriented design principles.
- Designed and coded an elevator-simulation game in C++, then built an autonomous routing agent using a custom algorithm to reduce simulated passenger wait time by 230%.
- Implemented and benchmarked deque-based pathfinding algorithms, comparing runtime efficiency across 15+ test scenarios.

LEADERSHIP & ATHLETICS

Michigan Competitive Ballroom Dance Team

Aug 2025 – Present

- Won first place in 16 dance styles in first year of competitions; elected Tech Chair overseeing online presence and competition recording.

Michigan Men's Rowing Team

Aug 2024 – Apr 2025

- Trained 20 hours/week; won 1st place in the Novice 8+ category at the Music City Regatta (Nashville).

COMMUNITY SERVICE

Crystal Lake Food Pantry

Jun 2018 – Jul 2024

- Translated for Spanish-speaking clients and supported order fulfillment for 12+ households per month.

SKILLS & INTERESTS

Technical Skills: Python, SQL, Excel, Java, JavaScript, Swift, C++

Interests: Conversational Spanish, Skiing, Tabletop Board Games, Video Games