

TANNON WARNICK

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Education

University of Utah – Salt Lake City, UT

- Honors Bachelor of Science in Mathematics, Expected December 2026
- GPA: 3.819
- Honors Thesis: *Elliptic and Algebraic Curves*, advised by Prof. Gordan Savin

Honors and Awards

- Pi Mu Epsilon Mathematics Honors Society, Inducted Spring 2025
- Dean's List, Every Semester, Fall 2023 – Present
- Leap Scholar, Inducted Spring 2025

Research Experience

Honors Thesis Student, University of Utah Department of Mathematics

Fall 2024 – Spring 2026

- Conducted an independent literature review and original synthesis of elliptic curve theory under Prof. Gordan Savin, using LaTeX to typeset all formal proofs and exposition.

Undergraduate Researcher, University of Utah Department of Mathematics

Fall 2025

- Studied Category Theory, including categories, functors, adjoints, and natural transformations, in an undergraduate research course.

Professional Experience

Systems Specialist, Harris

July 2026 – Present

- Perform sequence testing, point-to-point verification, and system adjustments to commission and troubleshoot commercial building automation systems.
- Program and modify PLC-based control logic for HVAC systems using Tridium and Niagara, supporting installations in K-12 schools and industrial waste treatment facilities.
- Develop system graphics, drawings, and documentation, and communicate technical findings to customers and project teams.

Installer/Specialist, Harris

May 2023 – July 2026

- Planned, installed, and tested electrical wiring and control components for engineered building control and security systems, verifying circuits with ohmmeters, voltmeters, and related testing equipment.
- Reviewed project plans, specifications, and sequences of operation with the project manager; prepared as-built documentation and job reports.
- Maintained compliance with company installation standards, safety protocols, and local building codes on job sites.

Teaching Experience

Mentor, Harris

May 2023 – Present

- Mentor and train incoming Controls Installation Specialists on system programming, installation practices, and safety standards.

Tutor (Sensei), Code Ninjas

December 2020 – May 2021

- Tutored youth in foundational coding languages, including JavaScript, Lua, and C#.

Skills

Tridium & Niagara building automation platforms | PLC programming | HVAC controls troubleshooting | Python | LaTeX