

RAWSEN WEIDEMAN

647 Stewart Avenue ◊ Ithaca, NY 14853
360 West Oakwood Lane ◊ Castle Pines, CO 80108
(734) · 548 · 7555 ◊ rlwWEIDS@gmail.com ◊ rlw332@cornell.edu

EDUCATION

Cornell University

August 2023 - Expected May 2027

B.S. in Electrical and Computer Engineering (College of Engineering)

Minor in Business (SC Johnson College of Business)

Relevant Courses: Circuits, Digital Logic and Computer Organization, Computer Architecture, Embedded Systems, Signals and Systems, Linear Algebra, Differential Equations, Data Science, Quantum Information Hardware

Cumulative GPA: 3.424

TECHNICAL STRENGTHS

- Verilog, Assembly Program, Python, SQL, Lua, Git, JavaScript, TinyRV1 Processor and ISA, Pipelined Processors, Caches, Arduino IDE, Brew, DBEaver, DataGrip, FPGA boards, Breadboards, Soldering.
- Proficient in both Microsoft and Google applications (Teams, Excel, Powerpoint, Word, Colab, Docs, etc.).

EXPERIENCE

DEBUT Engineering Student Project Team - Cornell University

September 2025 - Present

Electrical Subteam Research and Development Analyst

Ithaca, NY

- Designed circuit diagrams and pin mapping schematics for various electrical components used for inertial and sEMG data-collection, contributed to circuitry assembly and wiring, and compiled status updates and findings into official design reports.
- Conducted experimental field data collection and provided contact information to those involved with outreach to get local subject-matter experts involved and gain valuable feedback.
- Met biweekly and collaborated with team members in both full-team and sub-team meetings to track progress, gather feedback and coordinate next steps, presented project milestones to faculty advisors and full-team leads, ensured both individual and team progress was maintained via the use of team-wide Gantt Chart, and provided cross-team support as needed.

SSR Mining Inc.

June 2025 - August 2025

Growth and Innovation Engineering Intern

Denver, CO

- Built an interactive dashboard using Plotly that accurately displays geographical positions of all active drills at a mine site and overlays them on a satellite map, compiles the latest positions of each drill into a logs table, and records drill depth data for all drills over time, formatting the results into graphical and logs tables with the ability to refresh the data for increased accuracy and latest results.
- Wrote and used SQL and Lua scripts in a data historian and other database platforms to extract and load various processing plant, haul truck, and drilling data from various mine sites into meaningful tags for facilitated mathematical interpretations and safe data storage and backup.
- Worked closely and met regularly with the Mineral Extraction and Innovation teams through numerous meetings in a collaborative environment to discuss best practices and focus on maximizing value in ore extraction and processing.

LEADERSHIP AND ACTIVITIES

Academic Excellence Workshops (AEWs) - Cornell University

August 2025 - Present

MATH 2940 Facilitator

Ithaca, NY

- Assisted students in learning the concepts of linear algebra in weekly meetings, regularly met with my course cofacilitator to review relevant material for upcoming sessions, attended triweekly meetings with AEW staff to discuss lesson plans and strategy, and compiled and uploaded presentations and worksheets to a shared space for students to access outside of meetings.

Intramural Sports - Cornell University

August 2023 - Present

Captain, Active Member

Ithaca, NY

- Set up and rallied classmates to join an intramural soccer team, designated weekly practices, and established times for team-bonding and comradery activities.