

JOHN CONE

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<https://circuitslegend.github.io/>

EDUCATION

B.S. ELECTRICAL ENGINEERING, *Emphasis in Space Systems Design*

April 2026

Minor in Mathematics

Logan, Utah

Utah State University (USU)

3.65 GPA

Continuous Time Systems and Signals, Microcontroller Hardware and Software, Digital System Design

RELEVANT WORK EXPERIENCE

MUNICIPAL ENGINEERING INTERN

May 2024 - August 2024

Horrocks Engineering

Heber City, Utah

- Inspected jobsites and make sure everything was up to specifications
- Spearheaded meetings with contractors and the city for successful job execution
- Lead contractors and their crews answering questions and helping with anything that came up
- Charted other solo projects for the city such as checking utilities and roads for warranties

UTAH WATER RESEARCH LAB INTERN

October 2023 – May 2024

Utah State University

Logan, Utah

- Followed complex instructions to construct yield monitors for harvesting machinery
- Designed software for sensors and systems in the yield monitors
- Tested equipment after design and construction for modification and verification
- Trained object detection software

COMPUTER SKILLS

| | | | | |
|------|---------|------------|--------|---------|
| C | C++ | Verilog | Git | Linux |
| Exel | AutoCAD | SolidWorks | MATLAB | LTspice |

VOLUNTEER EXPERIENCE

RESEARCHER

November 2024 – Present

Center for Self-Organizing and Intelligent Systems

Logan, Utah

- Assisting with construction, modeling and testing of advanced aeronautic systems
- Pursuing my remote pilot's license

INVOLVEMENT

September 2024 - Present

IEEE USU Student Branch

Logan, Utah

- Assembling IEEE projects such as a musical tesla coil
- Was the winner of Ignite Engineering challenge for my RGB LED cube project