

# Porter Cook

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GitHub Portfolio: <https://porterrockwell.github.io/>

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## EDUCATION

**Utah Tech University - St. George, UT | Associates**

Pre - Engineering 5/1/2023

**Utah Tech University - St. George, UT | Bachelors of Science**

Mechatronic Engineering, Expected in 01/2026

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## SKILLS

**PLC & Automation Ladder Logic**  
**Teamwork and Collaboration**  
**Problem-Solving**  
**Robotics Programming**  
**Programming & Software**

**Computer Aided Design**  
**Industrial Wiring**  
**Hard working**  
**Attention to detail**  
**Creative and Resourceful**

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## WORK HISTORY

**Automation Engineering Intern**

**Baxter Aerospace |**

**Aug 2024 – Sept 2025**

- Developed HVX (High Voltage Automated Test) system for aerospace wire harnesses
- Integrated PLC control for sensor data collection and process automation
- Programmed Yaskawa, Fanuc, and Universal Robots to automate manufacturing processes
- Created C# WPF applications linked to SQL databases for MES system work instructions

**Innovation Plaza Utah Tech University**

**Maker Space Intern**

**August 2022 - May 2023**

- Trained individuals to use Laser Engravers, CNCs, and 3D Printers at the Makerspace
- Fixed and installed several safety features to the machinery such as Estop and circuit breakers
- Gained hands-on experience in various software programs, increasing proficiency and expanding technical skill set.
- Worked with individuals to design parts in Fusion 360 and Solid Works such as prosthetics and other business-related items
- Served as the lead operator for the Stinger CNC machine, changed g-code, and created several tool paths in Fusion 360
- Gained valuable experience working within a specific industry, applying learned concepts directly into relevant work situations.

**FSY Counselor****May 2022 - August 2022****Church of Jesus Christ of Latter-day Saints**

- In charge of the welfare and safety of the attendees of FSY
- Coordinated and teamed up with co-counselors on lesson plans to help give the youth the best experience possible
- Worked in conjunction with Assistant Counselors and Coordinators to provide housing, food, and event safety for events
- Introduced teachers and speakers before their lesson plans and discussions

**Engineering Intern****June 2022 - May 2022****Utah Tech University, Engineering Department**

- I worked with Professor Dave Christiansen on Engineering Displays and design
- Designed 3D models on software Fusion 360, Solid works, and Visio
- Brainstormed with Doc Dave Christensen on different concepts for displays and implementing them into designs
- Organized inventory
- Worked with maintenance on SLA printers and operation for nonessential projects

**Missionary****May 2019 - May 2021****Church of Jesus Christ of Latter-day Saints**

- Created schedules and work plans
- Taught a group of 12 missionaries how to effectively teach the gospel in Las Vegas
- Proselytized to the people of Las Vegas Nevada, and Ghana, Accra and taught them how to exercise faith through repentance, and baptism
- Monitored team performance, developed and recommended performance improvement plans and achievement awards
- Served as the Social media specialist for the local Facebook group, monitored performance and outreach of ads for service, prayers, and study groups, and replied to comments on posts