BEN GUJER

Fort Collins, CO | LinkedIn | bgujer@colostate.edu

ENGINEERING EXPERIENCE

Woodward, Inc. – Fort Collins, CO

Advanced Manufacturing Intern | June 2025 – Present

- Researched and developed an implementation strategy for factory-wide UHF RFID tracking of 30,000 calibrated gauges, targeting an 80% reduction in asset loss and ~4,000 labor hours savings annually.
- Developed MQTT middleware in Android Studio to communicate RFID data to Ignition client for SCADA control and UI.
- Collaborated with stakeholders to ensure security and adoption of the RFID solution.
- Automated HMI deployment with an Ubuntu autoinstall script, cutting ~50 minutes per configuration across multiple facilities.
- Authored SCADA documentation for Ignition/HMI use to support training and maintainability.

Rapid Prototyping Lab, Powerhouse – Fort Collins, CO

Laboratory Technician and Machinist | June 2023 – June 2025

- Designed and programmed parts in SolidWorks and Fusion 360 for CNC machining.
- Operated Haas CNC mills and lathes, laser cutters, and a waterjet to fabricate precision components.
- Collaborated with team members to meet project deadlines and ensure quality standards.
- Applied metrology methods to validate manufactured parts.

LEADERSHIP EXPERIENCE

Pane 'n the Glass Window Cleaning – Brainerd, MN

Team Leader | May 2019 – Aug 2021

- Supervised 2–5 team members, ensuring efficient service delivery and quality control.
- Managed client invoicing and resolved customer concerns to maintain satisfaction.
- Strengthened leadership and coordination skills through scheduling and on-site operations.

TECHNICAL SKILLS

- CAD & Design: SolidWorks (CSWA), Fusion 360, Creo Parametric
- Programming: MATLAB, Python, Java, Bash, Git
- Manufacturing & Prototyping: CNC Machining, Waterjet, Laser Cutting, 3D Printing
- Analysis: FEA (Abaqus), CFD (ANSYS)
- Control: Ignition Vision/Perspective, B&R Automation Studio (PLC), CODESYS

EDUCATION

Colorado State University – Fort Collins, CO

B.S. Mechanical Engineering | GPA: 3.47 | Expected Graduation Spring 2026