

Kestin Kuhn

Centennial, CO | P: (303) 720-0118 | kkuhn1129@gmail.com | Project Portfolio

SKILLS

CAD & Design: SolidWorks (CSWP), Fusion 360, Autodesk Inventor

Manufacturing: 5-axis CNC Programming, Turning, Manual Machining, Metrology

Software: Python (Debugging, Scripting), MasterCAM

Engineering Standards: AS9100, and launch compliance

EXPERIENCE

True Anomaly

Production Engineering Intern

Centennial, CO

Jun 2026 – Aug 2026

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University of Colorado

Engineering Programming Teaching Assistant

Denver, CO

Jan 2025 – Present

- Assisted students with debugging and troubleshooting Python code
- Developed and presented instructional material for programming concepts

Undergraduate Research Assistant — Continuous Fiber Composite Additive Manufacturing

Jul 2025 – Present

- Developed a carbon fiber slicing and post-processing system capable of generating machine-ready G-code
- Conducted research on crack propagation in composite 3D printed materials

Omni-X

CNC Machinist

Sheridan, CO

Aug 2024 – May 2026

- Designed and manufactured a custom part-extraction attachment for a CNC turning center, eliminating operator intervention.
- Programmed, set up, and operated 2-axis and 9-axis CNC machining centers for production manufacturing.
- Maintained tight tolerances while meeting production deadlines

Lockheed Martin

Prototype Machining Apprentice

Jefferson County, CO

Jun 2023 – Aug 2024

- Worked in an AS9100 prototype facility producing aerospace components
- Performed inspection and collaborated with engineers to ensure compliance with standards
- Optimized additive manufacturing resurfacing process, reducing machining time by 70%

EDUCATION

University of Colorado

Bachelor of Science in Mechanical Engineering

Denver, CO

Expected May 2028

- GPA: 3.9/4.0 | Dean's List (2024–Present)

PROJECTS

Parol6 Six DOF Robotic arm

- Kitted, assembled, calibrated, and commissioned a six-DOF industrial robotic arm.
- Developed Python application for basic forward and inverse kinematics, Cartesian motion control.
- Integrated custom tools on the arm and implemented pneumatic system

Automated CNC Part Extraction System

- Designed and manufactured a custom CNC lathe part-extraction attachment that eliminated manual operator intervention.
- Modeled components in CAD and fabricated production-ready hardware using chemical resistant carbon fiber materials with additive manufacturing.
- Reduced machine idle time while improving production consistency and operator efficiency.