

Ben Rivera

South Ogden, UT | (973) 570-5353 | benrivera1122@gmail.com | benriveracad.com

PROFESSIONAL SUMMARY

Senior product design and development student with an excellent reputation for clearly providing direction and adapting to new fast-paced environments. I am eager to learn the ins and outs of a product or process design department and assist in idea development, presentation, and execution. Thrives in creative thinking, problem-solving, and collaboration.

SKILLS

| Solidworks CSWA | GD&T | Manufacturing Experience | Parametric Design | Product Design Consultation | Prototyping | Research and Development | 3D Printing | FEA Analysis | Microsoft Office | Google Workspace | Project Management Certified |

WORK EXPERIENCE

Tslots by Bonnell Aluminum / Clearfield, UT

March 2025 - Present

Mechanical Design Intern

- Work on a team of mechanical designers, engineers and manufacturers
- Consulted customers quoting for assemblies of modular aluminum precision parts
- Use SolidWorks and other design software to construct custom extrusion profiles for high volume production
- Designed and prototype new hardware components for implementation

Weber State University / Ogden, UT

September 2023 - Present

Concept Design and Engineering Intern

- Partnered with a team of engineers to provide product prototypes to over 40 local companies.
- Designed CAD models, metal structures, large scale setups/fixtures, and weldments.
- Managed expectations, communications, and budget from a diverse team of 4 members.
- Rapid prototyping using customer specific requirements into a real product.

KIHOMAC / Layton, UT

May 2024 - August 2024

Engineering Intern

- Collaborated with engineers on mechanical design projects to develop aeronautical components.
- Designed 3D printed measurement tools for implementation into quality process and drone development
- Engaged closely with the quality assurance department to inspect and validate aeronautical components
- Contributed to process improvements, leading to an increase in production efficiency through design optimizations and workflow analysis.

Flex Manufacturing / Salt Lake City, UT

February 2023 - October 2024

Program Management Intern

- Managed inventory reconciliation for transport and delivery of produced products across a total of 36 projects.
- Developed algorithms to resolve complex transit errors in collection data, identified \$12 million in lost inventory.
- Designed and led the presentation of a comprehensive Excel reconciliation program to department leadership which was adopted by the IT team.

EDUCATION

Weber State University, Bachelor of Science

January 23 - Present

SENIOR, Product Design & Development, Engineering Technology (ABET-Accredited)