

Lily Dykstra

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Education

University of Colorado Boulder, College of Engineering and Applied Science
Bachelor of Science, Creative Technology and Design
Minor: Mathematics

May 2026

Skills

Programming (HTML, CSS, JavaScript, Python), Object Oriented Programming, Glitch VR/AR, Adobe Creative Cloud, Rhino 7, SketchUp, Fusion360, Blender, CAD Modeling, Arduino, Figma, 3D Printing and Fabrication, Laser Cutting, Textile Expertise (Sewing, Serging, Embroidery), Spanish Language Proficiency, CPR and First Aid Certified

Professional Experience

University of Colorado Boulder, Atlas Institute

Boulder, CO

Learning Assistant - Course: Image

August 2023–May 2024

- Communicated and displayed interpersonal skills by being approachable and responsive to student inquiries, fostering positive and inclusive learning environments.
- Graded 13-18 student's assignments, quizzes, and exams with meticulous attention to detail, ensuring consistent and fair evaluation of student work resulting in positive and satisfying course experiences for students.
- Collaborated with the professor to identify areas for curriculum improvement and implemented changes to better align with student needs and desired outcomes which led to a more cohesive learning environment.

Gflex

Denver, CO

Prototype Designer

May 2024–Current

- Design and develop detailed 3D models for electronics, focusing on outlets and product housing using Fusion 360 to ensure precise and functional design.
- Collaborate with app developers and product designers to create cohesive and user-centric designs, integrating feedback to refine prototypes.

CIRGO

Denver, CO

Prototype Designer

May 2024–Current

- Develop efficient 3D models of solar panel arrays and modular connection methods using Fusion 360, ensuring compatibility and functionality within compact designs.
- Apply expertise in connection methods to optimize durability and ease of assembly in solar products, meeting unique needs.
- Collaborate with engineers and designers to implement effective, environmentally-conscious design practices in prototype development.

Calypso AI

Remote - Denver, CO

Intern

May 2024–August 2024

- Developed customized dashboards using the Amplitude platform, enabling various departments to monitor key metrics and make data-driven decisions.
- Conducted in-depth competitor analysis, creating comprehensive spreadsheets to support strategic planning and market positioning efforts.
- Researched and evaluated prospective board members, providing insights to inform recruitment and board composition strategies.
- Assisted team members across departments, adapting quickly to diverse tasks and contributing to company projects with flexibility and initiative.

Extracurriculars

- Board Member of the CU Boulder Chapter of Society of Women Engineers August 2023-May 2024
- Member of the CU Boulder Chapter of Society of Women Engineers August 2022-Current
- Member of CU Swim and Dive August 2022-Current