

# 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, 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.

**GFI**

Denver, CO

*Prototype Designer*

May 2024–Current

- Designed and developed detailed 3D models for electronics, focusing on outlets and product housing using Fusion 360 to ensure precise and functional design.
- Collaborated 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

- Developed efficient 3D models of solar panel arrays and modular connection methods using Fusion 360, ensuring compatibility and functionality within compact designs.
- Applied expertise in connection methods to optimize durability and ease of assembly in solar products, meeting unique needs.
- Collaborated 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-Current
- Member of the CU Boulder Chapter of Society of Women Engineers August 2022-Current
- Member of CU Swim and Dive August 2022-Current