

Erin Fels

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Portfolio: <https://sites.google.com/colorado.edu/erinfels/home>

EDUCATION

Bachelor of Science Creative Technology and Design

Boulder, CO

Bachelor of Arts Computer Science

Expected Graduation: May 2028

University of Colorado Boulder

GPA: 4.0

RESEARCH EXPERIENCE

Fundamentals of Undergraduate Research

January 2025-May 2025

Unstable Design Lab at ATLAS Institute

Boulder, Colorado

- Researched textiles and E-textiles, prototyping a motorized controller to demonstrate material interactivity
- Worked with Arduinos and other components including motors using physical computing skills

LEADERSHIP EXPERIENCE

Electrical Theming Lead

October 2025-Present

CU TPED Ride Engineering Competition Team

Boulder, Colorado

- Required to create a ride according to a prompt for the national competition
- Design, select, and integrate the theme into the electrical components for our ride
- Coordinate roles and tasks for other team members working on theming

TPED Social Media Chair

May 2025-Present

Theme Park Engineering and Design @ CU Boulder

Boulder, Colorado

- Expanded online community, increasing club attendance and membership
- Work on projects that develop skills and knowledge about themed entertainment including ASTM standards
- Design visually engaging content using Adobe Creative Suite for club events, guest speakers, and industry news

OTHER WORK EXPERIENCE

Learning Assistant

December 2025-Present

Creative Technology and Design at the ATLAS Institute

Boulder, Colorado

- Personally selected to instruct and hold office hours for students enrolled in a Physical Computing Class

Guest Services Attendant

December 2024-Present

CU Boulder Recreation Services

Boulder, Colorado

- Maintain a calm and happy attitude while helping guests in a busy and demanding environment

Math Tutor/Instructor

November 2021-June 2024

Mathnasium of Smithtown

Smithtown, New York

- Assessed students (elementary to college) and provided each with a personalized and prescriptive learning program

HONORS AND AWARDS

Tau Beta Pi (National Engineering Honor Society)

- Inducted early for academic excellence and exemplary character (top 1/8 of juniors, top 1/5 of seniors)

BOLD Scholarship Recipient

- Awarded for academic achievement, leadership, and commitment to diversity in engineering

College of Engineering Dean's List (Highest Honors)

- Recognizes students that demonstrate academic excellence, earned every semester with a 4.0

ADDITIONAL SKILLS

- Proficient in C++, JavaScript, Arduino IDE, Adobe Creative Suite, Figma, and Microsoft Office
- Gaining experience with HTML, SQL, Python, Fusion 360, SketchUp, and Blender
- Strong public speaking and interpersonal skills, receptive to feedback, and continuous learning