

AYESHA RAWAL

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PROFESSIONAL SUMMARY

Creative Technologist and makerspace educator with hands-on experience delivering STEAM programming, equipment training, and project coaching for diverse public audiences. Skilled at designing inclusive maker experiences, maintaining fabrication facilities, and building community through making. Currently pursuing M.S. in Creative Technology & Design at CU Boulder.

EXPERIENCE

Creative Technologist (Substitute)

BLDG 61 Makerspace, Boulder Public Library

Boulder, CO

Oct 2025 – Present

- Provide patron-facing support in a public library makerspace for community members of all ages, abilities, and backgrounds.
- Deliver individualized project coaching and conduct safety/equipment training on makerspace tools and technology.
- Maintain and troubleshoot equipment to keep the facility in good working order.

TYPO Lab Technician

TYPO Lab, Atlas Institute, CU Boulder

Boulder, CO

Aug 2025 – Present

- Design and deliver educational maker workshops in typography and printing (LEGO printing, risograph, traditional letterpress) for diverse student audiences.
- Operate and maintain historical letterpress machinery; ensure safe patron use of all equipment.

Graduate Research Assistant

Rare & Distinctive Collections, Norlin Library, CU Boulder

Boulder, CO

Aug 2025 – Present

- Develop cataloguing system for the Eugene Richardson historical letterpress collection.
- Design and facilitate public letterpress workshops, expanding community access to traditional printing.

The Lizard Lab — Master's Thesis Project

CU Boulder

Boulder, CO

Aug 2025 – Present

- Develop and teach STEAM maker workshops for school-age students combining fabrication (laser cutting, 3D printing, clay) with reptile conservation science education.
- Designed original board game integrating ecological concepts and player-driven problem solving.

Design Foundations Teaching Assistant

ATLAS Institute, CU Boulder

Boulder, CO

Aug 2025 – Dec 2025

- Assisted with an introductory design course covering visual, physical, and auditory design practices.
- Led discussions, supported project critiques, and provided feedback on student assignments and presentations.
- Supported lectures, in-class activities, and hands-on workshops.

Environmental Educator & Camp Counselor

Thorne Nature Experience

Lafayette, CO

May 2023 – Aug 2025

- Led afterschool programming for children ages 4–7 and facilitated summer camp for 12+ children ages 5–12 across five two-week sessions.
- Fostered curiosity, empathy, and connection to the natural world through nature-based activities.

Audience Experience & Exhibit Designer

CU Museum of Natural History

Boulder, CO

Sep 2021 – May 2022

- Collaborated on community exhibits and programs; produced the Sustainable Futures Festival (record attendance).

EDUCATION

M.S. in Creative Technology & Design — University of Colorado Boulder

Aug 2024 – Present

B.S. in Creative Technology & Design — University of Colorado Boulder

Aug 2018 – May 2022

SKILLS & TOOLS

Fabrication: Laser cutting, 3D printing, Arduino, Microbit, CAD (Rhinoceros 3D), welding, woodworking

Printmaking: Traditional letterpress, risograph, linocut

Art & Craft: Sculpture, jewelry, sewing, knitting, embroidery, needle felting, leatherworking, papercraft

Software: Figma, Adobe Creative Cloud, Rhinoceros 3D, Python, Microsoft Office

Languages: English (fluent), Gujarati, Hindi, Spanish