

Madison Dewrell

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EDUCATION

University of Colorado Boulder

Bachelor of Electrical and Computer Engineering, Minor in Computer Science

May 2029

EXPERIENCE

Engineering Support Student

Aug 2026 – Present

CU Boulder Engineering Center

- Lead tours of the Engineering Center and ITLL for prospective and current students.
- Facilitate beginner workshops on Arduino, 3D printing, and Altium for 200+ students per year.
- Assisted students with project questions across a range of engineering disciplines.
- Manage organization and storage of electronic components.

CAD Specialist

June 2026 – Aug 2026

Wraith Metal Works

- Converted customer CAD files (Fusion 360, STEP, IGES) into SolidWorks models.
- Prepared manufacturing drawings with GD&T annotations and tolerances.
- Collaborated with machinists and fabricators to improve part manufacturability.

Civil Engineering Intern

Aug 2024 – May 2025

LJA Engineering

- Created and modified engineering drawings using AutoCAD Civil 3D.
- Assisted with the design and layout of storm drainage and gutter systems in Civil 3D.
- Maintained and supported large-format plotter and printer supplies.

Law Firm Clerk Intern

Sep 2021 – May 2023

Briskin Crossing Sandford LLC

- Established new client files and entered them into the firm's records system.
- Generated and maintained client corporate books and updated files as needed.

SKILLS

Programming: Python, MATLAB, Java, C++, JavaScript, HTML/CSS

Design & Engineering Tools: Circuit Design, PCB Design, SolidWorks, AutoCAD, Linux Ubuntu