Samuel Garmany

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Education

University of Colorado Boulder — Boulder, CO
Bachelor of Arts in Molecular, Cellular, and Developmental Biology
Bachelor of Arts in Computer Science — *Expected May 2028*
- GPA: 3.95

Colorado Mesa University — Grand Junction, CO
Concurrent Enrollment — *Aug 2021 — May 2024*
- GPA: 3.80

Relevant Coursework

- **Biology**: Principles of Genetics, Molecular Biology, Cell Biology Lab
- **Computer Science**: Data Structures, Computer Systems, Algorithms, Programming Languages, Database Systems

Experience

Undergraduate Researcher — Jan 2026 — Present
Donaldson Lab, University of Colorado Boulder — *Boulder, CO*
- Design and run experiments on pair bonding in prairie voles, focusing on dopamine in the nucleus accumbens.
- Perform surgeries on prairie voles and program the FED3 feeding devices (Arduino) that run experiments.
- Develop Python and R pipelines to model and visualize large datasets from field experiments.

Surgery Concierge — Aug 2026 — Present
Boulder Community Health — *Boulder, CO*
- Guide patients and families through the surgical waiting area and relay updates from the care team.

Engineering Ambassador — Aug 2025 — Present
College of Engineering and Applied Science, University of Colorado Boulder — *Boulder, CO*
- Help prospective students understand CU's engineering programs.
- Give campus tours and represent the college at recruitment and outreach events.

Cook — Jun 2022 — Aug 2023
Pablo's Pizza — *Grand Junction, CO*
- Prepared and served high-volume orders and handled customer service.

Volunteer — 2022 — 2024
Solidarity Not Charity — *Grand Junction, CO*
- Helped serve monthly community meals.

Volunteer — May 2021 — Aug 2021
Mesa County Libraries — *Grand Junction, CO*
- Helped run the summer reading program for young readers.

Technical Skills

- **Lab**: Rodent surgery, PCR, gel electrophoresis, aseptic technique
- **Programming**: Python (NumPy, pandas, Matplotlib), R (tidyverse), SQL, Arduino (FED3)
- **Tools**: Linux, Git, Docker, LaTeX, Typst

Honors and Awards

- **Dean's List**: Spring 2025, Fall 2025, Spring 2026
- **Engineering Honors Program**: University of Colorado Boulder
- **Tau Beta Pi**: Engineering honor society