

Ithaca, NY
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Robyn Burger
she/they

LinkedIn:
Robyn-Burger

EDUCATION

Cornell University - GPA: 3.836

Aug. 2022 - May 2025 (expected)

B.A. Mathematics, B.A. Computer Science

- Recipient of Cornell's 2024 "Most Impactful Student" award
- President, Triphammer Co-op: manages logistics and daily needs of 20 person house
- Cornell Outdoor Education Instructor: Teaches weekly rock climbing course (PE 1640, PE 1647), semesterly courses backpacking (PE 1601) and caving (PE 1630) for 30-40 Cornell students.

EXPERIENCE

Algorithms Researcher

May 2024 - Aug. 2024

Montana State University REU, Advisor: Dr. Brendan Mumey

Bozeman, MT

- Chosen for competitive NSF-funded program (~3% acceptance rate)
- Researched and produced two papers, on efficient string parsing and reconstructing cell mutation trees

Head TA, CS2800: Discrete Structures

Jan. 2023 - Present

Cornell Bowers College of Computing and Information Science

Ithaca, NY

- One of four undergraduate head TAs for 400+ person course, covering proof-writing, induction, logic, probability, and set theory.
- Creates rubrics and questions for homework, discussions, and exams.
- Holds lectures as part of exam review
- Leads team of 15 TAs through grading, creates and executes TA training workshops
- Teaches weekly discussion course (~30 students), holds weekly office hours.

President of ACSU

Dec. 2023 - Present

Association of Computer Science Undergraduates, Cornell

Ithaca, NY

- Oversees all functions of the largest CS club at Cornell, with over 500 active members.
- Advises Cornell admin on current CS student opinions and needs, communicating with office of Diversity Equity and Inclusion, the college's dean, CS advisory board, and other CS clubs.
- Collaborates closely with Cornell faculty and CS corporate sponsors to strategize, plan, and execute college-wide events such as our annual Research Night, Faculty Luncheon, and student mentorship program.
<https://acsu.cornell.edu/what.html>.

Backend Software Engineer

May 2023 - September 2023

Web Development Team, SC Johnson College of Business IT

- Spearheaded the modernization of legacy PHP code by implementing Ruby on Rails, JavaScript, HTML
- Navigated extensive codebases, identifying and resolving intricate bugs across multiple servers and programs, presented deliverables each week to the team.

Math Directed Reading Program

Aug. 2023 - Dec. 2023

Cornell University, Advisor: Eray Karabiyik

- Conducted collaborative study on elliptic curves and their application to cryptography.

Congressional Fellow

Oct. 2021 - Feb. 2022

Imani Oakley's Campaign for Congress

Montclair, NJ

- Assisted in operation of six-figure budget and database of high-profile correspondents.
- Analyzed voter demographics and campaign contributions, proposed strategies to increase constituent participation in weekly meetings with the candidate.

SKILLS

Programming

Java, OCaml, C, HTML/CSS/Javascript, PHP, Ruby on Rails, Python, Swift

Other

Public speaking, intermediate French, Github, Unix, L^AT_EX