Elisabeth Kollrack

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Education

University of Vermont, Burlington, VT — Expected Graduation: May 2026
Bachelor of Science in Data Science | Minor in Mathematics | GPA: 3.97
College of Engineering and Mathematical Sciences, Patrick Leahy Honors College

- **Honors & Awards:** UVM Presidential Scholarship Recipient, Dean's List (Fall 2022 – Fall 2025), Ulysses S. Grant High School Valedictorian
- **Related Coursework:** Machine Learning, Software Engineering, Data Science I, Advanced Programming, Algorithm Design & Analysis, Calculus III, Advanced Statistical Methods, Linear Algebra, Database Systems
- **Technical Skills:** Python, SQL, R, Java, MATLAB, C++

Projects

Scheduling Conflict Program, UVM Tutoring Center — December 2024

- Developed a Python program to cross-reference tutor schedules with lecture times to streamline tutor availability.

Title IX Lawsuit, Plaintiff — August 2021 – April 2022

- Filed and won a Title IX Lawsuit against Portland Public Schools to obtain equal athletic facilities for men and women (featured in ESPN documentary – 37 Words (Part 4))

Relevant Experience

Cox Automotive, Burlington, VT — May 2025 – August 2025
Search Engine Optimization (SEO) Intern

- Collaborated with the SEO team to analyze large-scale datasets and deliver visually engaging reports, communicating findings effectively with remote teams.
- Conducted research on Share of Voice metrics using Snowflake and Excel and built data visualizations to highlight key findings.
- Applied vector embedding techniques using Python and linear algebra to uncover optimization opportunities across site content and structure.

UVM Tutoring Center, Burlington, VT — September 2023 – Present
Peer Training Coordinator, Tutor

- Lead weekly training sessions for 3–10 tutors, explaining policies and promoting student-led learning approaches. Hold office hours to support peer tutors with teaching strategies and student concerns.
- Tutor students one-on-one in calculus and computer science, providing conceptual clarity and problem-solving support.

Alternative Energy Racing Organization, Burlington, VT — September 2024 – May 2025
Treasurer, CS Team Member

- Managed the club's financial records, including budgeting, forecasting, and expense tracking.
- Designed and maintained a comprehensive financial spreadsheet for transparent and accurate reporting.
- Collaborated with a 10-member software team to develop and maintain C++ code for the race car.

RALLYTHON, Burlington, VT — September 2023 – March 2024
Executive Co-Fundraising Chair

- Co-led initiatives that raised over $100,000 for the University of Vermont Children's Hospital.
- Coordinated a 30-member team to raise awareness and engage the community in pediatric healthcare.
- Developed and executed creative fundraising strategies alongside co-chair.

Activities

UVM Black Student Union, Member, Burlington, VT — September 2022 – Present
UVM Ski and Snowboard Club, Member, Burlington, VT — September 2022 – Present