

Nathan Kellison-Miller

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EDUCATION

University of Vermont (UVM), Burlington, VT
Bachelor of Science in Civil Engineering

Expected Graduation: May 2028
GPA: 3.82

- **Related Courses:** Graphical Communication, Intro to Civil and Environmental Engineering, Intro to Computer Programming, Environmental Systems, Nature and Belonging
- **Honors & Awards:** Dean's List Fall 2024, Presidential Scholarship Recipient, John and Mary Evans Scholarship Recipient.
- **Member of ASCE Student Chapter and ASME Student Chapter**

EXPERIENCE

UVM Engineers Without Borders, Burlington, VT
International Travel Team Member

September 2024 – Present

- Completed an assessment trip in Kajinge, Rwanda (June 2025). Collected topographical surveying data, finished in-field water quality testing to assist the design of a \$80,000 water distribution and chlorination system.
- Collaborated with experienced engineers to refine project plans. Created preliminary project design using ArcGIS and topographical surveying data. Project implementation scheduled for May 2025.
- Contributed to ongoing design development of distribution pipeline and chlorination system, using AutoCAD for system layout and HydroCAD for hydraulic modeling to optimize flow, pressure, and reliability.

UVM Engineers Without Borders, Burlington, VT
Club Treasurer

September 2025 – Present

- Responsible for maintaining an organized club financial system, keeping track of deposits and withdrawals for the three club accounts containing over \$10,000 using Excel.
- Collaborated with professional consultants to develop a pitch deck to inform donors about club successes.
- Arranged and attended meetings with possible donors and professional contacts to work towards securing funding for the construction phase of the water distribution project, scheduled for June 2026.

UVM Transportation Research Center Undergraduate Research Assistant, Burlington, VT
Research Assistant for Prof. Dana Rowangould

April – June 2025

- Conducted 13 literature reviews on electric vehicle (EV) incentive programs to identify key EV policy trends.
- Catalogued EV program data in Excel, focused on evaluating the “free rider” effect with EV incentive programs.
- Collaborated with the research team in weekly meetings to discuss findings and guiding ongoing transportation research.

ADDITIONAL EXPERIENCE

Summer Camp Sealth, Vashon, WA
Overnight Camp Counselor

Summer 2024, Summer 2025

- Responsible for 7-10 campers aged 13–17 each week, developing quick problem-solving and conflict-management skills while also gaining experience in a high-intensity and fast-paced living/working environment.
- Led a 4-week training program for 12 Counselors-in-Training, strengthening their skills in behavior management, communal living, and leadership to prepare them for future counselor roles.
- Awarded Leader of the Year 2024, elected by 80 coworkers in recognition of exceptional leadership, teamwork, and mentorship.

TECHNICAL SKILLS

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| • AutoCAD | • HydroCAD | • Microsoft Office: Word, Outlook, Excel |
| • ArcGIS | • Python | • SolidWorks |
| • MATLAB | • Surveying | • Engineering Design |