

# Nathan McAllister

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## EDUCATION

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- Dartmouth College** June 2025  
*Bachelor of Arts in Engineering Sciences, Minor in Music* Hanover, NH
- **Activities & Societies:** Director of Kesem at Dartmouth, Rockefeller (Public Policy) Leadership Fellow, Dartmouth Cycling Team Officer, Saxophonist & Music Producer/Sound Engineer
- Thayer School of Engineering at Dartmouth** December 2025  
*Bachelor of Engineering in Mechanical Engineering* Hanover, NH

## ENGINEERING WORK

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- Reframe Systems** Aug 2025-Present  
*Mechanical Engineer* Andover, MA
- Designed and built equipment to facilitate production of factory-built, modular, climate resilient homes
  - Wore many hats: engineer, designer, machinist, welder, and technician, all to support end-to-end project execution
  - Worked closely with stakeholders across teams, synthesized requirements to deliver projects guided by the needs of all parties
  - Adapted to fast-paced, dynamic environment—learned to over-communicate, set achievable goals, and deliver on promised timelines
- Thayer School of Engineering at Dartmouth** Jan-Jun 2025  
*Engineering Design Mentor* Hanover, NH
- Guided and worked alongside first-year engineering students to research district geothermal heating solutions
  - Assembled clear documentation about ground-source heat pumps, how to implement them residentially, and the costs involved with doing so
  - Delivered report to the Town of Hanover's Sustainability Committee outlining the feasibility of district geothermal
- Sunpower & Novasource Power Services** 2019-2021  
*Engineering Technician* Davis, CA
- Led maintenance on fleets of solar panel-cleaning robots, repairing mechanical, electrical, & pneumatic systems
  - Traveled northern CA testing robots at large solar arrays to gauge viability for contracts with solar sites

## POLICY AND SERVICE

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- ASHRAE New Hampshire Chapter** Jun 2025-Present  
*Policy Committee Member*
- Supported energy modeling work based on 2018 vs 2024 IECC building energy codes
  - Developed place-based financial model to prove lower cost of ownership for a more energy-efficient multi-family building in New Hampshire
  - Drafted policy memo to the NH state legislature to lobby for adoption of 2024 IECC based on findings
- Kesem at Dartmouth** Sep 2021-Jun 2025  
*Director & Counselor* Hanover, NH
- Revived Dartmouth's chapter of Kesem after it struggled through the pandemic—recruited, trained, and managed yearly groups of around 20 Dartmouth students to support youth and teens affected by a parent's cancer
  - Connected with faculty and professionals at the Dartmouth Hitchcock Medical Center, educating them about Kesem's services and coordinating distribution of 700+ brochures throughout the Cancer Center & Pediatrics
  - Raised over \$8k and oversaw more than \$100k raised to give 70+ children free weeks of summer camp
- Rockefeller Center for Public Policy at Dartmouth** Sep 2024-Mar 2025  
*Rockefeller Leadership Fellow* Hanover, NH
- Engaged with professionals and peers across academic disciplines to learn about the most pressing public policy issues of our time
  - Collaborated with three colleagues on a policy memo on the incentivization of private investment in renewables
  - Traveled to Washington, DC and met with senate offices, government agencies, and NGOs to inform policy project

## PERSONAL

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**Music:** Performed for 2000+ people with band "Read Receipts," credited writer & producer on project "Day Drooler"  
**Cycling:** Avid adventure cyclist/bikepacker, reached category B in the Eastern Collegiate Cycling Conference