

# Theo Erikson

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## Education

**University of Maine**, BS Mechanical Engineering, Mathematics Minor, Summa Cum Laude, **GPA: 3.85** | 2019-2023

- Dean's List (2019-2023), Presidential Scholar Award winner (2019, 2023), Maine Top Scholar Award recipient (2019-2023).
- Member of the Pi Tau Sigma, Alpha Lambda Delta, and Tau Beta Pi honor societies.

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## Experience

**Founder and President**, Happy Home Computers, Maine | 2022-Present

- Refurbishes, distributes, and services computers free of charge for underserved communities.
- Serves clients in collaboration with other volunteers (50+ since 2022).
- Achieved 501(c)(3) non-profit status.
- Provides computers and ongoing support for Searsport Elementary School (30+ machines since 2022).

**Junior Technical Manager**, VEMI Lab, University of Maine | 2021-2023

- Contributed to the design and construction of the world's first 360° immersive fully autonomous vehicle ride simulator.
- Organized and managed \$5,000,000+ of equipment, tools, and resources.
- Mentored undergraduate researchers and developers.
- Conducted tours for industry, academics, donors, and potential students.
- Part of a winning team for the 2021 USDOT Inclusive Design Challenge.

**Hardware Analyst**, VEMI Lab | 2019-2023

- Designed, fabricated, and constructed interdisciplinary research apparatuses.
- Created and proctored experiments studying human-computer interaction.
- Procured, assembled, and optimized 20+ computers for research and development.
- Managed a \$25,000+ annual purchasing budget.
- Operated and maintained VEMI's makerspace, including 3D printers, a soldering station, and a laser cutter.

**Intern**, VEMI Lab | 2017-2019

- Designed and implemented a new organization system for the lab's digital files and hardware.
- Assembled a network-accessible 6-monitor array to display lab promotional materials.
- Deployed networking for the 10,000ft<sup>2</sup> lab space.

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## Accomplishments

- Three peer-reviewed articles published.
- Maine research and education speaker (5 events, 2019-2023).
- Keynote speaker, STEM education, Searsport Elementary School, Searsport, ME, October 2022.
- Panel member, Student Research Learning Experience, University of Maine, Orono, ME, August 2021.

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## Skills

SolidWorks | Abaqus | Maya | Blender | MATLAB | Mathcad | SMath | Cura | Makerbot Print | Python | Arduino | Unity 3D  
Microsoft Suite | Google Workspace | Communication | Technical Writing | Presentation | Project Management