Theo Erikson

Email: theohe1001@gmail.com

Website: therikson.github.io

LinkedIn: linkedin.com/in/theoerikson1001

Orono ME, 04473

Phone: 605-659-0635

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.

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 potential students, collaborators, and donors.
- Helped prepare a successful submission for a $300,000 award from the 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 and assembled 20+ computers for lab use.
- Managed a $25,000+ 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 $10,000\text{ft}^2$ lab space.

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.

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