Theo Erikson

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Education

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

- Fundamentals of Engineering Mechanical Exam - Passed (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

Process Engineer I, Idexx Laboratories, Westbrook | 2023-Present

- Creates and maintains documentation for the ProCyte One Laser manufacturing process.
- Fosters collaborative relationships with surrounding teams and leadership.
- Created a flow cell recovery process with potential savings of $500,000 over 3 months.
- Completed CAD design for a molding change to the laser enclosure.
- Assists with maintenance and creation of manufacturing fixtures.

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

- Refurbishes, distributes, and services computers free of charge for underserved communities.
- Achieved 501(c)(3) non-profit status.
- Coordinates and executes donations with other volunteers (100+ since 2022).
- Collaborates with other Maine based non-profits to maximize outreach.

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.
- 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 assembled interdisciplinary research fixtures.
- Created and proctored experiments studying human-computer interaction.
- Procured, assembled, and optimized 20+ computers for research and development.
- Designed and implemented a new organization system for the lab's digital files and hardware.
- Operated and maintained VEMI's makerspace, including 3D printers, a soldering station, and a laser cutter.

Accomplishments

- Three peer-reviewed articles published.
- Maine research and education speaker (7 events, 2019-2023).
- Advanced SolidWorks part modeling and GD&T training (ASMR Y14.5 Standard).

Skills

SolidWorks | Blender | GD&T | Excel | JMP | MATLAB | Mathcad | Python | Arduino | Unity 3D | HTML | Circuit Design
Lean Manufacturing | Communication | Technical Writing | Project Documentation | Prioritization | Agile Learning