

# Eben Quenneville

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## Seeking Engineering Internship

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Disciplined student seeking challenging engineering work where I can develop my problem-solving skills and creativity while contributing to real-world products, projects, or research.



## Education

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**University of New Hampshire**

December 2027

Pursuing an accelerated Bachelor of Science in Engineering Physics.

- Relevant courses: Differential Equations; Electrical Circuits; Modern Physics



## Skills

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- Software development (Python, Java, C, Javascript)
- Circuit design and routing (KiCAD)
- 3D modeling and printing (Fusion 360, Cura, Octaprint)
- Linux, Windows, and Cloud environments
- Technical documentation tools (LaTeX, Typst, Obsidian)



## Experience

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**Academy of Math and Programming, Jane Street**

June 2024-August 2024

Studied combinatorics, number theory, and computer science under the tutelage of IMO coaches and college professors in an intense and exclusive summer program in New York City. Participated in coding-based market simulations and analysis. Focused on skills in collaborative problem solving and technical communication. Developed software to strategically play popular games like Wordle.

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**Beaver Works Summer Institute, MIT**

July 2023–August 2023

One of 100 in-person students at a rigorous STEM summer program. Collaborated to program an underwater robot to autonomously navigate. Developed a strong foundation in hydrodynamic physics, motor control, computer vision, and Python. Class recipient of the Dr. Bob Berman Award for Disruptive Engineering.

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**Mechanical Keyboard Designer, Self-directed**

Fall 2020–present

Designed and manufactured multiple mechanical keyboards including: functional design; Printed circuit board layout, part selection, and population; programming of embedded integrated microcontrollers; mechanical design and 3D printing of enclosures. Created durable designs getting daily personal use by me and others. See website above for examples.