

SEAN FRIEDMAN

Industrial Physics Student | Electronics Testing | CAD & Prototyping

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EDUCATION

East Stroudsburg University of Pennsylvania

Expected May 2027

B.S. Physics, Industrial Physics Concentration | GPA: 3.69/4.00

Honors: Dean's List (Fall 2024, Spring 2025, Fall 2025); Dr. Paul A. Kicska Endowed Scholarship (2026-2027)

Coursework: Basic Electronics, Strength of Materials, Computational Physics, Thermal Physics, Theoretical Mechanics

TECHNICAL SKILLS

CAD & fabrication: Fusion 360, FDM 3D printing, dimensional measurement, iterative prototyping

Electronics & test: Oscilloscope, multimeter, DC power supply, breadboard, function generator, analog and digital circuits

Systems: Linux fundamentals, SSH, Raspberry Pi GPIO, basic server administration, hardware and software troubleshooting

TECHNICAL PROJECTS

Analog and Digital Electronics Projects

2025

Basic Electronics Laboratory | East Stroudsburg University

- Designed, built, and tested a two-bit analog-to-digital converter using a voltage-divider ladder, op-amp comparators, and NAND/NOR logic; troubleshot the integrated circuit with multimeters and an oscilloscope.
- Built a NAND latch, four-bit binary counter, and four-state traffic-light controller using flip-flops, LEDs, transistor switches, and a function generator.

Debian Jellyfin Media Server

2026

Independent systems project

- Set up and tested a Debian/Jellyfin media server on repurposed hardware using AI-assisted guidance; used SSH to complete configuration and troubleshooting steps and verify playback and media-file integrity.

RELEVANT EXPERIENCE

Next Round Design

2025-Present

Founder & CAD Product Designer | East Stroudsburg, PA

- Create functional Fusion 360 products from measured requirements, including a custom picnic-table umbrella holder, Bambu Lab P1S waste chute, and Jeep cupholder; iterate prints to improve fit and usability.
- Operate Bambu Lab P1S, P1P, and A1 printers, fulfill customer work, and manage a self-built portfolio with 1,000+ downloads, 350+ likes, and multiple five-star ratings.

Victra - Verizon Authorized Retailer

2019-Present

Sales Representative; previously Assistant General Manager and Acting General Manager | New York and Pennsylvania

- Earned multiple promotions while training employees, setting performance goals, troubleshooting operational issues, and implementing improvements in a high-volume retail environment.

CAMPUS INVOLVEMENT

Fix-It Club, East Stroudsburg University

Member

- Diagnose and repair Basic Electronics laboratory equipment, including fuse replacement and routine electrical troubleshooting.