

# Elaina Lutz

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## EDUCATION

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Temple University, College of Engineering Philadelphia, PA  
Honors Electrical and Computer Engineering, Electrical Concentration *Graduation Expected: May 2028*  
GPA: 3.97, Dean's List: Fall 2024, Spring 2025

Selected Courses: Calculus II, Physics II, Engineering Graphics, Intro to Engineering Problem Solving

## RELEVANT EXPERIENCE

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**CONSTELLATION ENERGY** Middletown, PA  
*Strategic Electrical Engineering Intern* June 2025-August 2025  
Supported the restart of Crane Clean Energy Center, formally known as Three Mile Island, by assisting with breaker refurbishment and verifying inverter component IDs. Conducted plant walkdowns to assess equipment readiness and identify potential issues. Compiled and analyzed electrical loading data to support operational planning and reliability assessments. Utilized industry standard nuclear software tools for equipment tracking, data management, and documentation to maintain compliance with regulatory and technical requirements.

**CONSTELLATION ENERGY** Pottstown, PA  
*Intern* May 2024-June 2024  
Shadowed design, corporate, nuclear, and systems engineers to gain exposure to day-to-day engineering design functions, equipment performance monitoring, maintenance, nuclear power general core design, and equipment reliability functions.

**COLLABORATIVE ONLINE INTERNATIONAL LEARNING** Philadelphia, PA  
*Temple University, Intro to Engineering Project* September 2024-December 2024  
Worked with an 11-hour time difference with Ajman University students to provide solutions to energy focused issues in underdeveloped communities such as load shedding.

## ADDITIONAL EXPERIENCE

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**ALESSANDRO'S WOOD FIRED & BAR** Wayne, PA  
*Hostess and Busser* April 2022-April 2024  
Efficiently managed guest reception and seating, maintained table cleanliness, supported a seamless dining experience, and assisted servers throughout the night.

**COLOR ME MINE** Wayne, PA  
*Shift Manager* April 2020-April 2022  
Supervised daily operations, interacted with customers, handled finances, and assisted with unloading of kilns.

## PROFESSIONAL AFFILIATIONS

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Society of Women Engineers September 2024-Present  
Institute of Electrical and Electronics Engineers September 2024-Present  
Theta Tau – Professional Engineering Fraternity April 2025-Present

## SKILLS

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Matlab, Microbit, AutoCAD, Inventor 2025, Microsoft Office (Excel, PowerPoint, and Word)