

Isabella Price-Dubble

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EDUCATION

Temple University

Expected May 2029

Bachelor of Science in Electrical and Computer Engineering

GPA: 4.0

- Relevant Coursework: Circuits and Electronics I, Engineering Computation I, Engineering Analysis and Applications

SKILLS

Programming: Python, C/C++, Bash, MATLAB

Tools: Fusion 360, Arduino, Excel

RELEVANT EXPERIENCE

Signal Level Indicator

September 2026

Temple University

- Designed a voltage-level indicator that lights green, yellow and red LEDs at 2, 3 and 4 V thresholds, using diode voltage shifting and resistor sizing to hold each LED at 10 mA at its target voltage

Tuned Mass Damper

December 2025

Community College of Philadelphia

- Characterized the natural frequencies of a four-story tower across 13 mass and floor configurations, then selected the setup closest to a 1.5 Hz target (1.512 Hz) to maximize resonance
- Tested all 10 pendulum tuned mass damper configurations (2 arm lengths, 5 bob masses) against a 1.563 m/s² undamped baseline, selecting the design that reduced fourth-floor acceleration by 32%

PLA Dogbone Study

October 2025

Community College of Philadelphia

- Modeled ASTM and ISO tensile test specimens in Fusion 360 to predict Young's modulus, tensile strength, safety factor and elongation through simulation
- 3D printed the specimens in PLA and tested them to failure on a Mark-10 tensile tester, with ASTM tensile strength within 1% of simulation and Young's modulus within the manufacturer's datasheet tolerance

WORK EXPERIENCE

Temple University Student Success Center

August 2026 – present

STEM Tutor

- Tutor undergraduates across introductory algebra, Calculus I and II, and Physics I, adapting explanations to each student's level
- Track each student's progress through session summaries covering topics reviewed and areas of growth

Pennsylvania Coalition to Advance Respect (PCAR)

September 2023 – May 2025

Legal Administrative Assistant

- Provided over-the-phone new client intake for the Sexual Violence Legal Assistance Project, professionally and compassionately dealing with highly emotional calls often exceeding an hour in length
- Drafted and managed incoming and outgoing Project mail, ensuring that the proper documentation required of a legal office was maintained

PROFESSIONAL AFFILIATIONS

Institute of Electrical and Electronics Engineers

July 2026 – present

Temple University Robotics

September 2026 – present