LINDSEY TURNER

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Education

Swarthmore College, Bachelor of Science Engineering, May 2025, GPA 4.0
　　　Relevant Coursework: Electric Circuit Analysis; Mechanics; Numerical Methods; Discrete Math
Westtown School, High School Diploma, June 2021
　　　Relevant Coursework: Linear Algebra; Design & Engineering 1 and 2; Computer Science 1 and 2
　　　ACT: 36 — AP Physics Mechanics C: 4 — AP Calculus BC: 5
Languages: Chinese (HSK 3, TOCFL Level 3)

Honors

Most Distinguished Scholar Award — Kaesemeyer Leadership Award — Nelson Wheeler　　2021
Community Service Award — Data Driven Change Deep Dive Certificate — Merit Scholar
Semi-Finalist

Technology Experience

Aquaponics Research Assistant, Swarthmore College　　　　　　　　　August 2022–present

- Cultivate and document a student-made 125 gal fish tank and two 28 gal vegetable beds aquaponics system
- Research Arduino and IoT technologies to automate water quality surveillance

Software Developer, U-Lend Umbrella Rentals Startup　　　　　　　March 2020–June 2021

- Develop an inventory management app for two hotels using Flutter connecting barcode and RFID technologies
- Design a dynamic website using Wix

Student Tech Intern, Westtown School　　　　　　　　　　　　　　　2018–2021

- Document and develop student-made webapps used for academic calendar exporting and weekend activity planning and attendance
- Consult faculty and students and implement UX and system equity feedback

Lead Programmer, Westtown School　　　　　　　　　　　　　　　　2018–2021

- Design and program autonomous and user-controlled robot functions using Java
- Rapidly revise and track code at three-day long competitions using Github
- Participate in outreach to teach programming to underserved students

Technical Skills: HTML, JavaScript, CSS, Python, Java, Fusion 360 CAD, Unity, Flutter, MATLAB

Work Experience

Dietary Associate, The Hickman Friends Senior Center　　　　　　　May 2022–June 2022

- Complete daily cleaning, dish washing, and meal serving
- Provide residents comfortable and timely service

Semantics Course Grader, Swarthmore College Linguistics Department　　January 2022–May 2022

- Review and provide feedback for weekly student essays then report a summary to the professor
- Assist students in brainstorming and writing by appointment

Science Camp Counselor, Westtown School Science Institute　　　　　　2019 & 2021

- Facilitate lower to middle school students in robotics, manufacturing, and design activities
- Design curricula for 5 week-long camps

Soft Skills: Proactive, Detail-Oriented, Persistent

Activities and Interests

Activities: Ultimate Frisbee (Treasurer), Campus Coalition Concerning Chester, RE-volv Solar Fellowship Ambassador, Fossil Hunting Club, Swivel Storytelling Club, Summer Social Justice Institute 2021, Class Officer 2019-2021, Math Club Head 2020-2021
Interests: Hiking, Doodling, Puzzles