

Eli Slothower

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🌐 elislothower.com
📍 Pittsburgh, PA – Able to relocate

Skills

Technical

Python • HTML/CSS • C •
JavaScript/Vue.JS • SML •
Object-Oriented Programming

Soft Skills

Problem-Solving • Leadership •
Creativity • Time Management •
Effective Communication

Extracurriculars

Technovation

Treasurer & University Relations Chair
Empowering the strong, young women
of Pittsburgh in STEM to achieve their
ultimate potential via mentorship

Students Using Data for Social Good

Data Project Member
Currently working on the Group Against
Smog and Pollution project by
engineering heat maps of pollutants

Habitat for Humanity

Secretary & Texas Trip Leader
Building houses for those in need

Tartan Scholars

An invite-only organization meant to
meet the needs of high-achieving
leaders who come from limited-resource
and underrepresented backgrounds

Education

Carnegie Mellon University

B.S in Computer Science, Software Engineering *May 2025*
Relevant Coursework: Algorithms and Data Structures/C (15-122),
Python (15-112), Computer Systems (15-213), Discrete Math (21-127)

Work Experience

Playspaces

Software Engineer / Creative Technologist *Aug. 2022 – Present*

- Reengineering codebase in C# and Unity
- Building backend services in Python and Django
- Creating STEM-based lessons, puzzles, and activities
- Learning about advanced physics engines
- Collaborating closely with company executives to shape the company

Creative Technologist Intern *Jun. – Aug. 2022*

- Engineered application prototype for testing and funding using Vue.JS, JavaScript, HTML, and CSS
- Created iOS/Android wrapper of web application

Dover Area School District

Full-Time Lead Student Technician *Jun. – Sep. 2020*

- Helped design and implement network, computer, and project organization plans by coordinating with I.T. Director and managers
- Held leadership meetings with administration and staff

Projects

Power Method, QR Method, and Deflation *Dec. 2022*

- Wrote a final Linear Algebra and Matrices course paper and code that proves advanced principles of the course

EcoSim *Dec. 2021*

- Engineered a final Introduction to Computer Science course project, a desktop app built in Python, that simulates ecosystems through terrain generation, different species, mutations, graphs, and more

Hack112 Hackathon @ Carnegie Mellon *Nov. 2021*

- Ideated and created 'Audentify', a song recognition game that detects songs based on the lyrics you sing, built in Python and APIs

DHS Proud *May 2021*

- Built iOS app for Dover Area School District that awards points given to exemplary students to buy snacks and school merchandise

DHS Tech Department Help Desk Ticketing System *Mar. 2020*

- Engineered district-wide help desk system, built using FileMaker Pro
- Find more on www.elislothower.com