

# 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*  
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), Functional Programming (15-150), 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](http://www.elislothower.com)