

# ELI YOUNG

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## EDUCATION

### Swarthmore College

B.Sc. in Computer Science and Mathematics with an emphasis in Statistics

Swarthmore, PA

Sep 2022 – May 2026

**Relevant coursework:** Algorithms, Data Structures, Computer Systems, Discrete Math, Linear Algebra, Statistical Methods I, Calc I-III

## SKILLS

**Languages:** Python, C++, JavaScript/TypeScript, HTML, CSS, C, Dart, SQL, R, Godot, Bash, PHP

**Technologies:** React, Flask, Node.js, React.js, MySQL, Git, Docker, AWS, PyTorch, TensorFlow, SkLearn, Firebase, Flutter

**Methodologies:** Agile, OOP, Functional Programming, CI/CD, TDD, Unit Testing, Linux, Powershell

## EXPERIENCE

### The Nonprofit Alliance

Front-end Intern

Swarthmore, PA

June 2024

- Revamped a non-profit's Fundraiser Symposium page, cleaning and modernizing the design, user interface, and performance.
- Wrote JavaScript and PHP in WordPress terminals to remove ~1,000 redundant pages and integrated custom plugins, HTML, and CSS.

### Savvy Seniors Tech Institute Initiative

Founder

Signal Mountain, TN

June 2023 – Present

- Founded a local tech literacy business that makes personalized help available for 1,000s of seniors in Signal Mountain aged ~55+.
- Increased skills including navigating Windows, macOS, social media, mobile devices, productivity software, video calling family, etc.
- Hired by Ascension Living's Alexian Village retirement home to facilitate a weekly "office hours" for tech help, assisting ~300+ elders.

### Meridian Health Solutions

SEO Intern

Swarthmore, PA

May 2023 – Aug 2023

- Leveraged Expression Engine (EE) and Google Keyword Planner for an SEO audit adjusting keywords, meta tags, headers, and structure.
- Ultimately elevated overall traffic as demonstrated by an increase in Google's search ranking from ~#70 to ~#6 within three months.

## PROJECTS

### Lock In

Cross-Platform Productivity App Development

[GitHub](#)

May 2024 – Present

- Facilitated the development of a stopwatch productivity app that can limit distractions and provide incentives to stay on task.
- React Native, JavaScript, and TypeScript allow an intuitive user interface through Kotlin-based foreground services and Swift-based Screen Time APIs and Shortcuts. Prevents mindless doom-scrolling as one can monitor as well as blacklist unproductive apps.

### PredictaCare

Machine Learning for Healthcare Optimization

[GitHub](#)

April 2024 – June 2024

- Trained and built a machine learning model on patient demographics and appointment types data. The use case is optimizing medical scheduling through appointment duration predictions, reducing the time patients spend in waiting rooms and doctors spend stressed.
- Backed by SkLearn's linear regression, hosted via Docker with a JS server, HTML, and a Flask backend for the model and datasets.
- Showcased with two peers at Drexel's 11th annual Philly Codefest "Leveraging AI for the Common Good," amongst ~30+ other teams.

### Hoop Hunter

Basketball Court Locator App

[GitHub](#)

Jan 2024 – Present

- Developing a Flutter app that finds and informs on 100s of basketball courts in New York City through JSON parsing online databases.
- Integrating a social system, location-based APIs, and satellite imaging to help ensure location accuracy and find friends to play with.

### Swat Swap

C2C Platform Development for College Students

[GitHub](#)

Jan 2024 – Present

- Co-developing a college-specific marketplace for students in collaboration with Swarthmore College Computer Society (SCCS).
- TypeScript enables an effortless UI, secure messaging, advanced search, and user profiles to enhance the buy and sell community.

## EXTRACURRICULARS

### Swarthmore International Collegiate Programming Contest (ICPC)

Team Member

Swarthmore, PA

Sept 2024 – Present

- Solved complex algorithmic problems in high-pressure team environments, enhancing skills for regional and global competitions.

### Swarthmore College Computer Society (SCCS)

Member

Swarthmore, PA

Feb 2024 – Present

- Maintained servers and developed software for projects like Swat Swap, collaborating with ~60 members to support the community.

### Swarthmore Magic: The Gathering Club

Founder & President

Swarthmore, PA

Dec 2023 – Present

- Registered, built, and organized a club of ~30+ members who meet to discuss, craft decks for, and play MTG, a strategy card game.