

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

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

Swarthmore, PA

Front-end Intern

June 2024

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

Savvy Seniors Tech Institute Initiative

Signal Mountain, TN

Founder

June 2023 – Present

- Founded a local tech literacy business that makes personalized help available for elders (~3,500/~9000 pop) 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 tech help "office hours" for ~300+ seniors.

Meridian Health Solutions

Swarthmore, PA

SEO Intern

May 2023 – Aug 2023

- Performed comprehensive SEO audit, incorporating high-ranking keywords and adjusting meta tags, headers, and page structure.
- Leveraged Expression Engine (EE) and Google Keyword Planner to optimize content.
- Ultimately elevated overall traffic as demonstrated by an increase in Google ranking from ~#70 to ~#6 within three months.

PROJECTS

Lock In

[GitHub](#)

Mobile Productivity App Development

May 2024 – Present

- Facilitated the development of a stopwatch-based productivity app to help increase time management and limit distractions.
- Designed through React Native, JavaScript, and TypeScript with an effortless user interface allowing users to blacklist unproductive apps and monitor usage through Kotlin-based foreground services and Swift-based Screen Time APIs and Shortcuts.

PredictaCare

[GitHub](#)

Machine Learning for Healthcare Optimization

April 2024 – June 2024

- Trained and built a machine learning model optimizing medical scheduling potential through supplied appointment duration predictions based on data about patient demographics and appointment types, reducing wait times.
- Backboned by SkLearn's linear regression and hosted through a docker, a JS server, and HTML frontend. Python, datasets, and the model were installed and executed in this container with a Flask backend.
- Created and presented with two peers at Drexel's 11th annual Philly Codefest themed on Leveraging AI for the Common Good.

Hoop Hunter

[GitHub](#)

Location-Based Sports App Development

Jan 2024 – Present

- Developing a Flutter-based app that finds locations and information on hundreds of basketball courts in New York City.
- Employed JSON parsing, integrating location-based APIs and computer vision algorithms to enhance court data accuracy.

Swat Swap

[GitHub](#)

College Marketplace Development

Jan 2024 – Present

- Co-developing a college-specific marketplace for students in collaboration with Swarthmore College Computer Society (SCCS).
- Done in TypeScript, allowing for intuitive user interface, secure messaging, advanced search, and user profiles.
- Enhances campus connectivity and streamlines transactions within the community.

EXTRACIRICULARS

Swarthmore International Collegiate Programming Contest (ICPC)

Swarthmore, PA

Team Member

Sept 2024 – Present

- Solved complex algorithmic problems in high-pressure team environments. Contributed to team strategy and practice sessions, enhancing problem-solving skills and preparing for regional and global competitions.

Swarthmore College Computer Society (SCCS)

Swarthmore, PA

Member

Feb 2024 – Present

- Helped maintain funded enterprise-grade server hardware and wrote software contributing to coding projects like Swat Swap in collaboration with ~60 members to provide services for the Swarthmore campus community.

Swarthmore Magic: The Gathering Club

Swarthmore, PA

Founder & President

Dec 2023 – Present

- Registered, built, and organized an MTG strategy card game club of ~30+ members who meet to play weekly.