Eli Young

☐ +1 619 930 2573 | @ eliyoung4now@gmail.com | 🔗 LinkedIn | ⚙ GitHub | 🌐 Portfolio | 📍 Signal Mountain, TN

EDUCATION

Swarthmore College Swarthmore, PA
B.Sc. in Computer Science and Mathematics with an emphasis in Statistics *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 Ascesion 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.