ELI YOUNG

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EDUCATION:
Swarthmore College, B.A in Computer Science and Mathematics with emphasis in Statistic   *Expected Graduation: May 2026*
- Relevant Coursework: Algorithms, Data Structures, Computer Systems, Discrete Math, Linear Algebra, Statistical Methods I, Calculus I-III

SKILLS:
- **Programming Languages (Procificent)**: Python, C++, TypeScript/JavaScript, HTML, CSS
- **Programming Languages (Familiar)**: C, Dart, SQL, R, React, Firebase, Flask, Flutter, SkLearn
- **Technologies**: Object-Oriented Programming (OOP), Unit Testing, CI/CD (Docker), Agile Development, PowerShell, Docker, Version Control (Git), Linux

COMPUTER & SOFTWARE DEVELOPMENT EXPERIENCE:
Nonprofit Alliance, **Front-end Intern**, Swarthmore, PA   *June 2024*
- Revamped a Fundraiser Symposium page, modernizing design and UI in WordPress through plugins, HTML, and CSS.
- Wrote JavaScript and PHP scripts to efficiently clean up the site, removing around 1,000 redundant pages through WordPress terminals, improving the site's performance and organization, and increasing event registrations.

Ascension Living Alexian Village, **Savvy Seniors Tech Institute Founder**, Signal Mountain, TN   *June 2023 - Present*
- Founded a tech literacy initiative business that provides personalized help sessions for over 300 seniors aged 55+.
- Developed curriculum for elders to gain basic computer skills, including navigating Windows, macOS, file management, social media, video calling, and using productivity software like Microsoft Office and Google Workspace.

Meridian Health Solutions, **SEO Intern**, Swarthmore, PA   *May 2023 - Aug. 2023*
- Leveraged Expression Engine (EE) and Google Keyword Planner to optimize content, incorporating high-ranking keywords and adjusting meta tags, headers, and page structure for increased search engine performance and traffic.
- Elevated the website's Google ranking from approximately #70 to #6 within three months.

TECHNICAL PROJECTS:
"[Lock In](#)"   *May 2024 - Present*
- Spearheading the development of a productivity app in React Native, JavaScript, and TypeScript designed to help with time management through an intuitive user interface allowing users to blacklist and block unproductive apps and monitor usage through Kotlin-based foreground services and Swift-based Screen Time APIs and Shortcuts.

"[PredictaCare](#)"   *April 2024 - June 2024*
- Co-developed a linear regression machine learning model in SkLearn optimizing medical scheduling by predicting appointment durations based on patient demographics and appointment type, reducing wait times. Hosted through Docker in a JS server and HTML frontend where Python, datasets, and the model were installed and executed directly within the container in a Flask backend for portability and isolation. Demoed at Drexel's 11th annual Philly Codefest.

"[HoopHunter](#)"   *Jan. 2024 - Present*
- Developing a Flutter-based app to help users find detailed information on hundreds of basketball courts in NYC with JSON parsing, integrating location-based APIs and computer vision algorithms to enhance court data accuracy.

"[SwatSwap](#)"   *Jan. 2024 - Present*
- Developing a college-specific marketplace in collaboration with Swarthmore College Computer Society (SCCS) for Swarthmore students with intuitive UI, secure messaging, advanced search, and user profiles. Enhances campus connectivity and streamlines transactions within the community.

EXTRACURRICULAR ACTIVITIES:
Swarthmore International Collegiate Programming Contest (ICPC) Team Member, Swarthmore, PA *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) Member, Swarthmore, PA   *Feb. 2024 - Present*
- Attended weekly technical talks, networked, and contributed to collaborative coding projects like SwatSwap.

Swarthmore Magic: The Gathering Club Founder & President, Swarthmore, PA   *December 2023 - Present*
- Registered, built, and organized events for an MTG strategy card game club of 30+ members who meet to play weekly.