

Kyle Plosky

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Summary

Computer science student with 2+ years of full stack development experience. Self-motivated Agile team member and mission-driven technologist with a record of measurable impact. Seeking a summer internship to build professional skills.

Education

Worcester Polytechnic Institute, Worcester, MA, May 2028 (3.96 GPA)

B.S. in Computer Science

B.S. in Interactive Media & Game Design

Courses: Software Engineering, Computer Networks, Algorithms, Database Systems, Operating Systems, Webware

Experience

Peer Learning Assistant, *WPI Computer Science Department*, August 2025–Present

- Led office hours twice weekly to provide students with clarifications and debugging help on programming assignments and to answer questions on course concepts.
- Graded programming assignments and quizzes, providing timely feedback. Work totaling 8-10 hours per week.

Programming Coach, *CodeWiz Reading*, June 2025–August 2025

- Taught computer science concepts to 50+ elementary and middle school students with educational tools such as Scratch, MCreator, and Unity.
- Collaborated with other coaches to design and coordinate lessons, adapting them considering student interests and time constraints.

Projects

Computer Vision Tools for Visitor Data Collection IQP, *Acadia National Park / Friends of Acadia*, March-July 2026

- Built Python tools to streamline a 40+ hour manual data analysis process using computer vision.
- Authored a report documenting the analysis process including improvement metrics over existing methods, addressing privacy and ethical concerns, and recommending future steps..

Gompei's Geared Up, *WPI Green Team*, October–December 2025

- Developed in-house software for managing WPI's bike share program using Flask and PostgreSQL, saving the school \$10,000+ annually.
- Designed a RESTful API to cut response payload sizes in half for mobile networks.
- Followed Agile Scrum methodology and conducted unit testing for CI on GitHub Actions.

Classy, *Personal Project*, August 2024–April 2025

- Built a TypeScript web app to enable college students to share their schedules.
- Wrote data structures to efficiently store hundreds of user records in a SQLite database.
- Triaged bug reports and worked with users to ensure that their needs were met.

Skills

Languages: JavaScript, TypeScript, Node.js, Java, SQL, Python, C, C++, C#, HTML, CSS

Platforms & Frameworks: React, Flask, Cloudflare Developer Platform, Google Cloud, Firebase

Software: Git, GitHub, GitHub Copilot, Wireshark, VS Code, Google Workspace, Microsoft Office

Concepts: Full stack web development, mobile app development, edge computing, Agile, Scrum, CI/CD

Certificates and Awards

Coding It Forward Discovery Program Certificate of Completion, May 2026

Charles O. Thompson Scholar, Spring 2025

Worcester Polytechnic Institute Dean's List, Fall 2024–Spring 2026