

Skyler Wiernik

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Hey! I'm Skyler, a CS student graduating from WPI in May of 2025. I love building software that solves real problems and makes peoples lives easier. I particularly enjoy building robots and developer tools! I spend my free time hiking, rock climbing, and reading about science and technology.

Education

Worcester Polytechnic Institute, BS in Computer Science Aug 2022 – May 2025

- GPA: 3.7/4.0
- Graduating full year early
- Over half of in-major coursework taken at the graduate level

Experience

Software Engineering Intern, Apple – Cupertino, CA May 2024 – Aug 2024

- Worked as a member of the Core Data team to develop Apple's native database framework
- Crafted API proposals that lead to **4+** public facing API changes
- Patched critical security vulnerabilities within the iOS Kernel

Freelance Developer, Evenkeel Insoles – Brookline, MA Aug 2023 – Present

- Worked as a freelance developer to bring projects from start to completion
- Discovered and patched a critical security vulnerability that publicly exposed patients HIPAA data
- Designed and implemented data driven user flows in Swift to drive customer interaction

Associate Programmer, Engineering Planning and Management – Framingham, MA May 2023 - Aug 2023

- Transformed a visual basic application into a user-friendly and ADA accessible Flask web app while maintaining a backwards compatible database
- Integrated a react application built by third party contractors to improve code consistency and make the app production ready
- Set up in house servers and deployed web apps to production

Projects

Cyberonics Sep 2024 - Present

- Developed an open-source robotics framework to standardize and accelerate robotics software development
- The framework is actively being used by WPI's humanoid robotics lab, and is being evaluated by robotics labs at **Cornell and UC San Diego**
- Connected with FIRST Robotics CEO Dean Kamen through cold outreach, resulting in current evaluation for use by **80,000+ students** across FIRST programs.

VentureX June 2024 - Present

- Developed an LLM powered search engine that matches a companies pitch deck to potential investors
- Built web-scrapers to gather up to date information about hundreds of investment firms to feed into a custom RAG system
- Licensed to **Nixon Peabody LLP**, the largest M&A law firm in New England

LSToday March 2018 - June 2022

- Built an iPhone app for my high school that allowed students to easily view and share their schedules
- Achieved over **2,000 downloads and 700 daily active users** within 6 months of launch
- Supported and improved the application for years, before founding the LS Computer Science club, and passing the project on to younger students

Technologies

Languages: Swift, Python, Java, C++ , Javascript, Rust

Technologies: React, Postgres, Flask, OpenAI API, Firebase, AWS, GCP