

Patrick Soo

Atlanta, GA • (470) 820-8696 • pach@gatech.edu • www.patricksoo.me

Professional Summary

Master's student in Computer Science with experience spanning software development and large-scale project leadership. Managed ERP releases across 15+ countries at GE Vernova, launched hardware products generating \$800K+ in sales, and directed 30+ person teams building an educational simulation platform. Skilled in Python, full-stack tools, and Agile frameworks that accelerate delivery and improve team productivity.

Education

Georgia Institute of Technology

Atlanta, GA

Master of Science, Computer Science (In Progress)

Expected Dec 2026

Bachelor of Science, Computer Science; Minor in Japanese – GPA: 3.97

May 2025

Experience

Technical Project Management Intern

May 2024 – Aug 2024

GE Vernova

Atlanta, GA

- Managed ERP rollout across 15+ countries, coordinating regional teams to ensure releases met schedule and compliance targets
- Built Smartsheet dashboards and templates that centralized status tracking, eliminating reliance on scattered emails/meetings and giving leadership real-time visibility into overdue tasks
- Drove Lean initiatives which reduced testing cycle times by 30%, accelerating delivery of user stories and reducing release risk
- Authored system landscape documentation used by 50+ engineers, shortening onboarding time and enabling quicker identification of impact and risk areas

Technical Project Lead

Aug 2023 – Present

Georgia Tech Vertically Integrated Project (Sandia National Labs Sponsored)

Atlanta, GA

- Managing a 30+ person cross-functional team developing a Unity-based educational simulation game on power grid resiliency; introduced structured sprints that eliminated chronic task carryover and kept delivery on schedule
- Established formal design-to-development handoff processes, cutting bottlenecks by ~50% and ensuring timely delivery of user stories
- Launched secure documentation site with Astro + OAuth, accelerating team productivity by centralizing 3 years of technical knowledge and cutting new member onboarding time by 2 weeks

Student Organization President

Sep 2021 – Present

Mechanical Keyboards at Georgia Tech

Atlanta, GA

- Founded and scaled on-campus organization to 300+ members, regularly hosting events with 60+ attendees
- Negotiated \$4K+ in annual sponsorships with local and international vendors to fund operations and community growth

Product Designer, Software Developer

Sep 2024 – Dec 2024

Munch - Restaurant Review Application

Independent

- Built an iOS app in React Native (Expo) with REST APIs (Firebase, Google Maps), delivering personalized restaurant recommendations
- Conducted continuous A/B user testing and revised UI to simplify rating and preference flows, raising usability scores on core journeys by as much as 72% and validating sponsored listings as a high-interest feature with 87.5% engagement

Product Designer, Project Lead

Jul 2019 – May 2023

Umbra Studios

Independent

- Launched 4 consumer hardware products for keyboard enthusiasts, generating \$800K+ in revenue and selling 5,000+ units worldwide
- Directed end-to-end lifecycle: product design, marketing, vendor negotiations, production, and global distribution; coordinated presale campaigns (with \$27K donated to charities) that scaled customer base and drove recurring sales through major online retailers

Technical Skills

- Languages/Frameworks:** Python, Java, C, SQL, JavaScript, React, React Native, Firebase, LangChain
- Tools:** Git/GitHub, Jira, Smartsheet, Adobe Suite, MS Office/Google Suite
- Relevant Courses:** Artificial Intelligence, Machine Learning, Computer Vision, Networking, Product Design, Software Methodology, System Architecture, Databases, Data Structures & Algorithms