Patrick Soo

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Professional Summary

Master's CS candidate with enterprise product experience: coordinated ERP rollout across 15+ countries (GE Vernova) and led large development teams for a product effort at Georgia Tech. Comfortable driving specs, cross-functional execution, and customer-informed decisions; strong writer and technical communicator.

Education

Georgia Institute of Technology Dec 2026 (Expected)
Master of Science, Computer Science *Atlanta, GA*

Georgia Institute of Technology May 2025
Bachelor of Science, Computer Science • Minor in Japanese • GPA: 3.97 *Atlanta, GA*

Experience

Technical Project Management Intern May 2024 – Aug 2024
GE Vernova *Atlanta, GA*

- Aligned 15+ country teams to stage-gate milestones by running weekly risk reviews and tracking risk/issue resolution
- Reduced UAT cycle time 30% by mapping handoffs and removing rework via targeted Lean experiments across workstreams
- Authored system landscape docs cutting onboarding time for 50+ engineers, enabling quicker identification of impact areas
- Built Smartsheet dashboards that eliminated ad-hoc email reporting and gave leaders real-time visibility into overdue tasks

Technical Project Lead Aug 2023 – Present
Georgia Tech Vertically Integrated Project (Sponsored by Sandia National Labs) *Atlanta, GA*

- Spearheaded 30+ person cross-functional teams to ship a Unity-based educational simulation game on energy resiliency
- Introduced structured design-to-dev handoffs that cut bottlenecks 50%, improving sprint predictability and communication
- Built a secure documentation site using AstroJS + SSO, consolidating 3 years of technical knowledge into a single source of truth, cutting onboarding time by 2 weeks, improving contributor retention, and accelerating cross-team collaboration

Student Organization President Sep 2021 – Present
Mechanical Keyboards at Georgia Tech *Atlanta, GA*

- Founded and scaled an on-campus community to 800+ members, securing over $4K annually in vendor sponsorships
- Directed marketing strategy, brand partnerships, and event execution for 60+ attendee meetups

Projects

Munch - Restaurant Review Application Sep 2024 – Dec 2024

- Delivered a functional iOS prototype for personalized restaurant discovery; integrated Firebase and Google Maps/Places REST APIs to support user authentication, review storage, and intelligent location-aware ranking
- Drove a 72% lift in usability scores through continuous A/B tests and rapid UX iterations (test, analyze, and ship weekly)
- Validated a sponsored listings MVP (88% engagement) and documented metrics/criteria for potential TestFlight pilot

Umbra Studios - Independent Product Design Studio Jul 2019 – May 2023

- Launched 4 consumer hardware products for keyboard enthusiasts, yielding $800K+ revenue and 5,000+ sales worldwide
- Managed end-to-end GTM strategy: product messaging, vendor negotiations, production, distribution; coordinated presale campaigns ($27K donated to charity) that scaled customer base and drove recurring sales through major online retailers

Skills

- **Product/PM:** VPC/BMCs, MRD/PRDs, Competitive analysis, Personas/use cases, Domain research, User interviews, A/B test design, Sprint backlog/tickets (Jira, GitHub Issues), Technical writing, Agile/Lean methodologies
- **Languages/Frameworks:** Python, Java, SQL, C, JavaScript, React, Firebase
- **Tools:** Git/GitHub, Jira, Smartsheet, Adobe Suite, MS Office/Google Suite
- **Relevant Courses:** Artificial Intelligence, Machine Learning, Computer Vision, Product Design, Software Methodology, System Architecture, Malware Analysis, Databases, Networking, Data Structures & Algorithms