Patrick Soo

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Professional Summary

Experienced in project management with a proven track record of delivering complex projects from concept to completion, combining technical knowledge with organizational and leadership skills to optimize project outcomes and drive innovation. Strong technical background with concentrations in artificial intelligence and machine learning topics.

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

Relevant Courses: Artificial Intelligence, Machine Learning, Computer Vision, System Architecture, Software Methodology, Database Management, Product Design, Data Structures/Algorithms Analysis

Experience

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

- Managed and reported development progress for a major quarterly ERP software release across 15 countries, ensuring timely completion of functional requirements for a successful business deployment
- Developed a comprehensive project plan template and dashboard, assuring accountability and responsibility for each task while delivering visual summaries of release progress that highlight overdue tasks at a glance
- Led two Lean initiatives to cut testing time by over 30%, boosting project efficiency and accelerating release timelines
- Created critical system landscape documentation for pillar application connections, expediting the onboarding process and enabling quicker identification of impact and risk areas

Project Lead Member — Aug 2023 – Present
Georgia Tech Vertically Integrated Projects - "Current Crisis" — *Atlanta, GA*

- Engaged in a large multi-year project sponsored by Sandia National Laboratories, contributing as a leader in game design and project management to a team developing an educational game to teach power grid resiliency
- Implemented a tailored Scrum framework and drove iterative organizational improvements, optimizing teamwork, accountability, and overall efficiency each semester, improving the handling and delivery of user stories

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

- Cultivated a thriving community on campus for a niche hobby, achieving status as an officially chartered organization with over 230 registered members and hosting meetings consistently attracting over 60 attendees from on and off-campus
- Forged strategic partnerships with popular local and international online storefronts, securing annual funding of $4,000 and valuable giveaway items, boosting member engagement and retention

Programming Instructor — May 2018 – Aug 2021
Asian Student Leader Association — *Alpharetta, GA*

- Volunteered at a non-profit organization leading the most sought-after class with 20+ students; designed and instructed engaging programming classes making games with Scratch
- Leveraged funding to procure Raspberry Pi-based laptop kits and small robots, elevating the quality of education by providing hands-on experiences in circuitry, hardware manipulation, and robotics using Python

Projects

Mobile Restaurant Review Application — Sep 2024 – Dec 2024

- Addressed gaps found in popular restaurant discovery solutions by designing a mobile app for iOS to deliver personalized recommendations based on user preferences using React Native with Expo, leveraging REST APIs including Google Maps Places and Firebase Cloud Firestore/Authentication for a seamless user experience
- Planned and enhanced features through customer research and iterative design by collecting feedback and data from over 20 user testers, resulting in increased satisfaction with core features and navigation flow

Independent Product Design — Jul 2019 – May 2023

- Conceptualized, designed, and successfully brought to market physical products for mechanical keyboard enthusiasts
- Led all aspects including marketing, communication with manufacturers and vendors, production, quality assurance, and delivery, resulting in positive consumer reception with over 5000 units sold worldwide
- Completed four independent projects with combined revenue of over $800,000, and donated over $27,000 through pre-sale campaigns to relevant 501(c)(3) non-profit organizations

Technical Skills

- Languages/Frameworks/Libraries: Python, SQL, C, Java, JavaScript, Firebase, React/React Native
- Tools: MS Office/Google Drive Suite, Adobe Software Suite, Git, Jira, Smartsheet