Henry Robb
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Education:

Rensselaer Polytechnic Institute, RPI, Troy, NY

M.S. in Computer Science with concentration in AI and ML — Expected December 2026
B.S. in Computer Science and Information Technology & Web Science (ITWS) — Expected December 2025
GPA 3.90, Rensselaer National Merit Scholar, Dean's Honors List
Honor Societies: Upsilon Pi Epsilon (CS), Gamma Nu Eta (ITWS), Epsilon Delta Sigma (Management)

Skills:

Machine Learning & Data Science: Strong foundation in Machine Learning theory, data driven problem solving, and the underlying mathematical principles (including linear algebra, probability, and statistics)
Programming Languages: Knowledgeable in C++, Java, Python, JavaScript, SQL; working knowledge of C, PHP, R
Cloud & Development Tools: Experienced with AWS Services, Azure, GitHub, Jira, and Google Workplace applications
Technical Certifications: Oracle Cloud Infrastructure 2023 Certified Foundations Associate

Experience:

Apple, Austin, TX — Summer 2025
Software Engineer Intern
- Designed and developed REST services using Spring Boot Reactive programming and Mongo DB for Apple's critical planning tool
- Gained hands-on experience with rapid development leveraging Apple's spring boot framework to develop REST services and batch/streaming processes
- Improved code coverage to 100%, enhanced code to adhere to best practices and improve system efficiency
- Presented project outcomes and technical solutions to senior leadership, demonstrating impact of developed systems
- Collaborated with Early Careers teams to organize and host intern events

Whelen Engineering Company, Chester, CT — Summer 2024
Software Engineer Intern
- Developed an application allowing for interaction with a Production Serialization Database on AWS using Lambda, CloudFormation, API Gateway, Cognito, etc., which expanded access to part data and enabled direct lookup of part history by factory staff, streamlining the information retrieval process
- Coordinated with multiple teams and product owners to ensure that quality standards were met
- Created a front end utilizing the Vite build tools and libraries such as TanStack Query and TanStack Table

ITWS Capstone Project – Microsoft PowerToys — Fall 2025
Project Manager
- Led a cross-functional team in delivering a production-ready Keystroke Overlay utility integrated into Microsoft PowerToys, working directly and regularly with Microsoft PowerToys product managers throughout the project
- Managed Agile sprint planning, weekly client meetings, and all formal communications with Microsoft stakeholders, ensuring alignment with Microsoft design, accessibility, and performance standards
- Authored the majority of project documentation and performed in-depth financial and cost-benefit analysis

Leaps of Faith Adaptive Skiers, Southbury, CT — Summer 2021 to Present
Staff/Volunteer
- Collaborate with a team to organize events enabling individuals with disabilities to participate in water sports
- Provide one-on-one assistance to participants in both stand and sit skiing, ensuring a safe and enjoyable experience

Leadership:

Rensselaer Outing Club, Troy, NY
Secretary — 2023 to 2024
- Worked with administrators to determine sporting guidelines and interview Outdoor Program candidates
- Wrote club communications and managed 250+ member lists to confirm who could receive club communications
- Participated in officer discussions and contributed to important club decisions such as member recruiting strategies, gear purchases, and determining which members are suited for leadership roles