

Jack P. Ryan

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Ithaca, NY 14850

Education

Cornell University, Bowers College of Computing and Information Science Ithaca, NY
Bachelor of Science in Computer Science - **GPA: 3.6** Expected May 2026

Tompkins Cortland Community College (Concurrent Enrollment) Cortland, NY
Liberal Arts & Sciences: Math/Science A.S. - **GPA: 4.0** May 2022

Experience

Software Engineering Intern June 2025 - Present
LexisNexis Reed Tech Horsham, PA

- Developed an automated Azure DevOps pipeline for Veracode security scans, eliminating manual approval.
- Contributed to platform engineering efforts using Terraform, Podman, and various Azure resources.
- Worked in an agile environment, investigating and resolving software issues as part of the SWAT team.

Programmer Intern May 2023 - January 2025
McNeil & Co. Cortland, NY

- Developed internal and external web applications using .NET, across four consecutive summer/winter breaks.
- Enhanced security by migrating to HashiCorp Vault for cloud-based secret storage and implementing CSP.
- Built a custom image gallery and admin management portal integrated with Box.com.

Pirat January 2025 - May 2025
Bilge Rat Studios Ithaca, NY

- Built a complete physics-based puzzle platformer game using LibGDX.
- Led a team of five programmers, coordinating sprint planning and delegating tasks.
- Authored various design documentation and presented progress biweekly for peer review.

Homelab August 2024 - Present
Independent Project

- Created test environments for software, new configurations, and a malware sandbox for security research.
- Deployed and maintained Minecraft and Jellyfin servers, virtualized using Proxmox and managed with Docker.
- Configured pfSense and Pi-hole to strengthen network security and improve customizability.

Technical Skills

- **Languages:** C#, Java, Python, C, C++, OCaml, TypeScript, SQL, Bash
- **Front-end:** HTML, CSS, Tailwind, Bootstrap, Figma, Photoshop
- **DevOps & Infrastructure:** Azure, Terraform, Proxmox, Docker, Linux

Extracurricular Activities

Cornell Cybersecurity Club Ithaca, NY
Secretary August 2024 - August 2025

- Planned weekly meetings and educational sessions for members.
- Managed internal communications for our 50+ active members.

CNY Hackathon - First Place November 2024

- Won a regional team-based cybersecurity competition featuring offensive and defensive scenarios.

Relevant Coursework

Systems Programming, Computer Graphics, AI Reasoning/Decision-Making, Intro Game Architecture, Data Structures & Functional Programming, Computer Systems Organization, UNIX Tools and Scripting, & Optimization I/II

Interests

Interests: Software development, information security, front-end design, & hardware hacking