

Spencer Swanholm

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EDUCATION

New Jersey Institute of Technology

Bachelor of Science in Information Technology, Cybersecurity Focus (Transfer Student)

- Transferred from Wagner College (3.3 GPA) | NCAA Division I Swimming

Newark, NJ

Expected 2029

Relevant Coursework: Assembly Language, Programming Techniques, Introduction to Programming, Criminal Procedure

TECHNICAL SKILLS

Security: IoT Security, Threat Modeling, Encryption

Languages: Python (basic), C++ (basic)

IT Support: Hardware/Software Troubleshooting, Wi-Fi & Network Setup, Service Ticketing

Tools: Microsoft Office (Excel, PowerPoint, Word)

EXPERIENCE

IoT Cyber Defense Extern

Hydroficient Systems Ltd. — Extern

Remote

September 2026 – Present

- Building hands-on IoT cyber defense skills for critical-infrastructure systems through an 8-week externship, by learning Python, encryption, and threat modeling
- Strengthened understanding of how connected devices are attacked and defended, by applying threat modeling concepts to the design and security of IoT systems
- Learned to build and secure systems that protect critical infrastructure, by working on real-world security problems with the Hydroficient team and industry professionals

Student IT Help Desk Technician

Wagner College

Staten Island, NY

September 2025 – May 2026

- Restored access and functionality for students and faculty across campus, resolving about 3 requests per shift over 3–4 shifts a week for 9 months, by diagnosing hardware, software, and network issues from walk-ins, phone calls, and email
- Kept support requests organized and traceable from report to resolution, by creating and documenting service tickets for each issue
- Improved campus connectivity and equipment readiness, by setting up Wi-Fi, printers, computers, and media equipment in offices and departments across campus
- Built technical troubleshooting skills, by working alongside senior technicians and fellow student workers on software and hardware problems across campus

Deal Sourcing & Startup Analysis Extern

HP Tech Ventures — Extern

Remote

June 2026 – August 2026

- Identified a candidate for deep diligence, as measured by a structured scoring exercise across 3 AI startups (Martian, Femtosense, Omi), by evaluating each against HP Tech Ventures' investment thesis
- Produced market and competitive analysis on Martian, an LLM-routing startup, by synthesizing Crunchbase data and company materials into industry-trend and positioning findings

Lifeguard

NL Aquatic Center

Voorhees, NJ

June 2021 – Present

- Protected patrons' safety for 5+ years, as measured by continuous service since June 2021, by monitoring the pool and enforcing safety rules

Assistant Swim Coach

Haddon Glen Swim Club

Haddon Heights, NJ

March 2025 – August 2026

- Developed the nighttime swim program for swimmers ages 3–18, by working with the head coach and fellow coaches to plan and run daily practices
- Built leadership, mentorship, and time management skills, by guiding young swimmers day to day on a multi-coach team

E-Commerce Business Owner

Facebook Marketplace

Remote

January 2024 – Present

- Generated \$7,500+ in revenue over 2+ years, by sourcing household items and reselling them for profit
- Increased sales, by developing market strategies to attract buyers
- Ran every part of the business independently, by handling sourcing, listing, and selling as the sole owner

CERTIFICATIONS

Microsoft Office Specialist

American Red Cross Lifeguard — CPR/AED