

# Nathan Morelli

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## EDUCATION

**University of Pittsburgh, David C. Frederick Honors College**

**May 2028**

*Bachelors of Science, Computer Science*

*Extracurriculars: Sigma Chi Fraternity, Computer Science Club, Outdoors Club*

## WORK EXPERIENCE

**Software Engineering Intern, WebstaurantStore**

**May 2025 - Aug. 2025**

- Reduced email processing time by 75% by implementing a stored procedure (SPROC) to streamline backend operations.
- Delivered 20+ Product Backlog Items by converting an API from Coldfusion to C# and the .NET framework, enhancing maintainability and performance.
- Delivered a final presentation to team leads and executives, highlighting contributions to the Order Systems team and providing actionable recommendations for future interns.

**Research Assistant, Human-Computer Interaction, University of Pittsburgh**

**Sept. 2024 - Present**

- Co-authored and submitted a research paper to a top HCI Conference on iterative ideation.
- Built a Chrome extension that simplified image search and printing workflows, supporting reentry resource access for recently incarcerated individuals.
- Enhanced a React-based website ("Project Rebound") by creating goal-setting tools, helping users visually plan post-release life pathways.

**Junior Analyst, Tech Sector, Panther Equity, Pittsburgh**

**Sept. 2024 - Nov. 2024**

- Enhanced financial market knowledge through weekly peer meetings and hands-on market analysis experience.
- Acquired proficiency in advanced financial tools, including Bloomberg Terminal and Capital IQ, for in-depth market and equity research.
- Conducted a comprehensive competitor analysis, identifying five key industry players to support a data-driven stock recommendation presented to over 200 people in Panther Equity.

**Software Engineering Intern, Brio Solutions, Conshohocken**

**June 2022 - Aug. 2022**

- Developed an application for the Public Defenders of Brooklyn to streamline internal processes and enhance workflow efficiency.
- Designed and implemented a .NET framework library to manage and organize employee information, improving data accessibility for the company.
- Attained proficiency in SQL, C# .NET framework, and Salesforce, applying these skills in real-world development projects.

## PROJECTS

**BackedX - NFT Market Backed by XRP Escrows**

*Node.js, XRP, Javascript*

- Designed an NFT marketplace backed by XRP escrows aiming to stabilize and build trust in the NFT market, winning 3rd place at Tartanhacks.

**NawkNawk - Video Conferencing Website**

*Typescript, HTML, CSS, Git*

- Researched methods to improve virtual communication and improve natural conversation flow in professional and unprofessional settings.
- Implemented an interactive website that allows users to drag their avatars into virtual social circles, simulating natural entry and exit from conversations as in a physical space.

**Classical Conditioning - iOS App**

*Swift, SwiftUI, Git*

- Created an iOS running app that inspired users with personalized, AI-generated motivational comments and provided detailed tracking of running statistics, enhancing user engagement and performance.

## HONORS AND AWARDS

**Tartanhacks, 3rd Place, Ripple Track**

**Feb. 2026**

- Achieved 3rd place for Ripple's track, building an NFT marketplace backed by XRP escrows at the top computer science school in the country.

**Goldman Sachs Engineering Possibilities Summit**

**Jan. 2025 - Present**

- Participated in a highly selective program exploring the intersection of finance and computer science, supported by mentorship from industry leaders.

**Hack the Valley High School Competition, Microsoft Office**

**Feb. 2024**

- Achieved 1st place in a competitive coding competition, collaborating with a team of 3 peers to solve complex coding challenges efficiently.

## SKILLS

**Languages:** Java, Javascript, C#, Python, Swift, SQL, HTML, CSS, ColdFusion, Typescript, C

**Frameworks:** SwiftUI, Node.js, .NET, Next.js

**Technologies:** Git, Github, ArcGIS Pro, Salesforce, Heroku, MongoDB, Azure DevOps, Graylog, Rundeck, XRPL