

Nathan Morelli

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EDUCATION

University of Pittsburgh, David C. Frederick Honors College

BS, Computer Science, GPA: 4.00/4.00

Anticipated graduation date: May 2028

WORK EXPERIENCE

Research Assistant, Human Computer Interaction, University of Pittsburgh

September 2024 - Present

- Built a Chrome extension to streamline image search processes, enabling recently incarcerated individuals to print resources for reentry.
- Designed and enhanced "Project Rebound," a React-based website to help users envision goals and plan reentry pathways.
- Applied Schwartz's value framework to address reentry challenges, emphasizing financial security, mental health, and job skills.

Brio Solutions Software Intern, Conshohocken

June 2022 - August 2022

- Developed a mockup 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.

Junior Analyst, Tech Sector, Panther Equity, Pittsburgh

September 2024 - November 2024

- Enhancing financial market knowledge through weekly peer meetings and hands-on market analysis experience.
- Acquiring proficiency in advanced financial tools, including Bloomberg Terminal and Capital IQ, for in-depth market and equity research.
- Will conduct a comprehensive competitor analysis for the stock pitch presentation scheduled for delivery to club members at the end of the semester.

Ropes Course Operator at Treetop Quest, Philadelphia

April 2024 - August 2024

- Conducted presentations for customers on proper techniques for navigating obstacle courses, ensuring safety and efficiency.
- Led and provided hands-on assistance to customers when they encountered challenges on the courses, promoting a positive experience.
- Trained team members and assisted in rescue operations on ropes courses, ensuring the safety and well-being of all participants.

PROJECTS

Classical Conditioning - iOS App

September 2022 - April 2023

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.

Sunshine City - Website

May 2022 - June 2022

Javascript, HTML, CSS, Node.js, Git

- Developed an interactive 3D website designed to educate users on the impact of their daily activities on the environment and global climate change. Enhanced user engagement and awareness through immersive experiences and visual storytelling.

Democratic Conference Website

September 2023 - October 2023

Javascript, HTML, CSS, Node.js, Git, Heroku

- Designed a website that effectively conveyed information about a local democratic conference, enhancing accessibility and engagement through clear, user-friendly content and intuitive navigation.

HONORS AND AWARDS

Hack the Valley High School Competition, Microsoft Office

February 2024

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

Diller Teen Fellowship

September 2022 - September 2023

- Immersive Jewish leadership program focused on identity and social impact through projects, retreats, and hosting an Israeli student.

Lower Merion Video Game Design Competition, Ardmore

October 2021 - February 2022

- Secured 3rd place in a video game design competition by collaborating with artists and programmers to develop a game using Java.

SKILLS

Languages: Java, Javascript, C#, Python, Swift, SQL, HTML, CSS, React

Frameworks: SwiftUI, Node.js, .NET

Technologies: Git, Github, ArcGIS Pro, Salesforce, Heroku, MongoDB