

Terrence Nolan

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Greater Boston, MA

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EDUCATION

Villanova University

Bachelor of Science in Computer Science

Elective Coursework: Applied Machine Learning, Computer Graphics, Overview of Cybersecurity

Awards: College of Arts and Sciences Dean's List

Villanova, PA

Exp. May 2024

Institute for the International Education of Students (IES Abroad)

Language & Area Studies Student and Semester Intern

Rome, Italy

Spring 2023

INDUSTRY EXPERIENCE

Chewy, Inc.

Software Engineering Intern

Boston, MA

June 2023 – August 2023

- Extracted the My Pet Health page UI from microsite framework and implemented it into a Single Page Application which resulted in performance increase of 160% according to Google Lighthouse.
- Deployment of the SPA generated \$14k in annual savings through the elimination of an unnecessary AWS Elastic Kubernetes Service instance.
- Enhanced user experience through improvement of HTML accessibility and incorporation of company design system.
- Ensured test coverage of my page and its components through Jest.
- Used tools including React, TypeScript, Jest, Docker, and Jenkins in the completion of the project.
- Gained experience working in an agile workflow system of sprints and epics.
- Initiated discussions with members of the product team to discuss certain design ideas and suggest additional capabilities for the page and its components.

Roman Augustinian Curia

Software Development Intern

Rome, Italy

February 2023 – May 2023

- Redesigned the appearance of the Institute of Augustine Spirituality website and transferred it from Joomla to Wix.
- Built a front-end UI for a database solution to store information about Augustinian schools and churches.

Massachusetts Port Authority

Technical Assistant Intern

Boston, MA

June 2022 – August 2022

- Constructed a SnapLogic pipeline to transfer 100% of non-empty tables in the company's Oracle Databases into Snowflake Cloud Databases.
- Creation of the pipeline was integral to company's ability to manipulate and present gathered data.
- Built interactive dashboards using select network vulnerability data on Tableau with importance to cybersecurity team.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Java, Python, HTML/CSS, SQL

Tools and Frameworks: React.js, React Native, Expo Go, Jest, Git, Jupyter Notebook, Firebase, Docker, Jenkins, Figma

PROJECTS

Punchcard (<https://punchcard.work/>)

2023 – Present

- React Native application giving hourly shift workers the freedom to claim and transfer their own shifts.
- Tech stack uses a React Native and JS front end, a Java and Spring Boot back end, and a MongoDB database.
- Worked as primary lead on UI/UX in a team of four using Figma and Expo Go to assist in app design and testing.
- Incorporated GitHub's issues, projects, and milestones features to meet our goals for three sprint deadlines.

Villanova IEEE Web Scraper

December 2022

- Programmed a Python web scraper to gather information from Amazon for a Christmas shopping list.

RELATED EXPERIENCE

Villanova University

Undergraduate Teaching Assistant

Villanova, PA

January 2024 – Present

- Working as a teaching assistant for an undergraduate level Platform Based Computing course.
- Assist students with their Python, React.js, and React Native related projects.