

# Terrence Nolan

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Greater Boston, MA

terrencenolan.com

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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

Software Engineering Intern

Boston, MA

Summer 2023

- Extracted the My Pet Health page UI from microsite framework and implemented it into a SPA which resulted in performance increase of 160% in Google Lighthouse
- Deployment of the SPA generated \$14k in annual savings through the elimination of an unnecessary AWS EKS 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
- Tools used in the completion of the project included React, TypeScript, Jest, Docker, and Jenkins
- 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

### Undergraduate Teaching Assistant

- Working as a teaching assistant for an undergraduate level Platform Based Computing course

Villanova, PA

2024 – Present

### Massachusetts Port Authority

Technical Assistant Intern

Boston, MA

Summer 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

### IEEE

Member

Villanova, PA

2022 – Present

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

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Java, Python, CSS, SQL

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

## PROJECTS

### Punchcard (www.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 deadline