# Terrence Nolan

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## EDUCATION

**Villanova University**                                                                                                **Villanova, PA**
Bachelor of Science in Computer Science                                                                    *Exp. May 2024*
**Elective Coursework:** Applied Machine Learning, Computer Graphics, Overview of Cybersecurity
**Awards:** College of Arts and Sciences Dean's List

**Institute for the International Education of Students (IES Abroad)**                   **Rome, Italy**
Language & Area Studies Student and Semester Intern                                               *Spring 2023*

## INDUSTRY EXPERIENCE

**Chewy, Inc.**                                                                                                               **Boston, MA**
*Software Engineering Intern*                                                                         *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% in 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**                                                                                      **Rome, Italy**
*Software Development Intern*                                                                   *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**                                                                            **Boston, MA**
*Technical Assistant Intern*                                                                          *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**                                                                                           **Villanova, PA**
*Undergraduate Teaching Assistant*                                                             *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.