

# Terrence Nolan

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## EDUCATION

### Villanova University

Bachelor of Science in Computer Science

**GPA:** 3.86 – College of Liberal Arts & Sciences Dean's List; Upsilon Pi Epsilon

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

Villanova Software Development Society

**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*

## TECHNICAL SKILLS

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

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

## 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% according to Google Lighthouse.
- Deployment of the SPA generated \$14k in annual savings through the elimination of an unnecessary AWS Elastic Kubernetes Service (EKS) instance.
- Enhanced user experience through improvement of HTML accessibility and incorporation of company design system.
- Ensured 78% test coverage of my page and all its components through Jest unit tests.
- Gained experience working in React, TypeScript, Jest, Docker, Jenkins, agile, and CI/CD in the completion of the project.
- Initiated discussions with members of the product team to discuss certain design ideas and suggest additional capabilities for the page and its components.

### Villanova University

**Villanova, PA**

*Undergraduate Teaching Assistant*

*January 2024 – Present*

- Working as a teaching assistant for an undergraduate level Platform Based Computing course of 57 students.
- Assist students with their Python, React.js, and React Native related projects for 1.5 hours each week and grade assignments.

### 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 in English, Italian, and Spanish.
- Built a front-end UI for an in-house database solution to store information for over 30 Augustinian schools and over 100 churches.

## PROJECTS

### Kaggle Titanic

*April 2024*

- Filtered, cleaned, and encoded .csv training and testing datasets.
- Built a Random Forest Classifier that scored a 77.5% on Kaggle and an AdaBoost Classifier that scored a 76.5% on Kaggle.
- Built models in Python using sklearn, numpy, pandas.

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

*September 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.