

## **Quinn Patwardhan**

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## **Objective**

Summer internship with a focus on software development, computer science, or programming.

## **Education**

Sidwell Friends School, Washington DC - GPA 3.67

Expected graduation date: June 2024

Relevant Coursework: CS1: Introduction, CS2: Object Oriented Design, CS3: Data Structures and Algorithms, AI & Game Design (currently taking), Precalculus (currently taking)

## **Experience**

### Horizon Newspaper, Washington DC

*Graphics Editor*

**May 2022 - Present**

- Graphics Editor of Sidwell Friends' Upper School student newspaper that is published eight times per school year
- Produce dozens of graphics for each issue in a fast-paced environment
- Work with other editors, designers, and writers to capture their vision
- Use industry standard technology like Adobe Photoshop and Illustrator to create mockups and vector graphics

### The Oat, Washington DC

*Graphics Editor and Co-Head*

**May 2022 - Present**

- Graphics Editor of Sidwell Friends' Upper School satirical student newspaper that is published eight times per school year
- Work with contributors to produce visuals to help their articles/listicles reach their full cometic potential
- Collaborate with co-heads, staff-writers, and graphic artists to get papers turned around at a fast pace
- Communicate with hundreds of students, dozens of teachers, and administrative staff frequently to facilitate writing and publishing of papers

*Senior Graphic Artist and Staff Writer*

**September 2020 -May 2022**

- Produced multiple graphics each month for articles or standalone jokes
- Used industry standard software like Adobe Photoshop and Illustrator

### CS Club, Washington DC

*Co-Head*

**April 2021 - Present**

- Plan meetings and work with other heads to host weekly meetings to discuss events in the Computer Science (CS) world and to participate in hackathons, competitions, and more
- Built a fully custom website from the ground up using React.JS, HTML, Javascript, and CSS3 ([csclub.quinnpatwardhan.com](http://csclub.quinnpatwardhan.com))
- Work with others on group coding projects, using the git command line interface and github issue tracking
- Help encourage new coders to join the CS world

### Wider Circle

*Volunteer*

**August 2022 - Present**

- Help greet volunteers and unload, sort, and distribute donations
- Distributed tax documents and assisted donors in filling them out

- Work with other volunteers to lift and move heavy furniture

## Projects

### Portfolio Web App ([quinnpatwardhan.com](http://quinnpatwardhan.com))

**November 2022**

- Fully custom built portfolio progressive web app for my personal web development projects, graphic design work, and photography
- Built using React.JS, Typescript, CSS3, HTML, MySQL, Express.js, and JSX
- Built from the ground up, with self-designed UX/UI, photo gallery, content management system (CMS), Blog, Login/User Authentication System, and analytics tracking
- Required deep use of cybersecurity principles such as SQL-Injection prevention and hashing and salting of passwords

### Chess ([chess.quinnpatwardhan.com](http://chess.quinnpatwardhan.com))

**February 2023**

- Multiplayer Chess game that uses GameCode system to allow seamless multiplayer between anyone in the world
- Hosts Express.js Based Backend API facilitate moves between clients and a MySQL Server
- Used React.JS, Typescript, JSX, HTML, and CSS3 for frontend and Express.js, Typescript, and MySQL for backend

### MarcMap ([marcmap.app](http://marcmap.app))

**December 2022**

- Created a interactive web app that users to track the live location of MARC (Maryland Area Rail Commuter) Trains using data from the MTA (Maryland Transit Authority)
- Hosts Express.js Based Backend API to format GTFS-RS Data
- Used React.JS, JSX, HTML, and CSS for frontend and Express.js for backend
- Developed & Published IOS App Version using Swift 5/SwiftUI and XCode

### Lunch Emailer

**October 2022**

- Coded a program to send all 500+ students and teachers daily email with the current day's lunch menu, self-hosted on personal server running Ubuntu Server 20.04 using crontab
- Written in Python and uses the Requests Library to Read HTML Lunch Menu

## Technology Skills

JavaScript, ReactJS, Typescript, CSS, HTML, Git, HTTP, Node, Python, Java, Nginx, Linux, Ubuntu Server, Unix Terminal, MySQL, C Sharp, XNA, Swift

Adobe Illustrator, Adobe Photoshop, Adobe Lightroom, Adobe Indesign, Adobe Lightroom, Adobe Premiere Pro, Figma

Google Sheets/Microsoft Excel, Visual Studio Code, XCode