

Parth Patel

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EDUCATION

Temple University College of Science & Technology, Philadelphia, PA
Mathematics & Computer Science, B.S.
GPA: 3.99/4 Dean's List: Fall 2020 - Present

August 2020 – May 2024

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, HTML, CSS, Java, C, SQL (Oracle), matlab
Frameworks / SDKs: React.js, TailwindCSS, Jest, Firebase, MongoDB, Mongoose, Next.js, Node.js, Express.js
Developer Tools: Git, GitHub, Wireshark, NPM, Unix/Linux, Postman

RELEVANT COURSEWORK

Database Management, Microservice Architecture, Data Structures & Algorithms, Low Level Systems, Networking
Calculus I-II, Multivariate Calculus, Linear Algebra, Probability Theory I, Discrete Math, Numerical Analysis

EXPERIENCE

Research Project Lead

May 2022 – September 2022

Human Computer Interaction Lab at Temple University

Philadelphia, PA

- Addressed the lack of data literacy education access by working with a team to create a Chrome Extension that detects and classifies data visualizations on the web using Machine Learning with 80% accuracy
- Converted the Chrome Extension to a Web App to reduce the experimental overhead by allowing users to visit our website to test the intervention rather than having to download it and its dependencies
- Co-authored two research papers which were both accepted into two notable conferences

Web Developer

December 2021 – January 2023

Small Business Development Center at Temple University

Philadelphia, PA

- Collaborated with five small business clients to create from scratch or redesign their website to better express their business objectives, products, and services
- Met with clients at least weekly to get feedback on the progress on their website and to gather requirements for the following week
- Created turnover documentation and custom video training videos unique to each client to aid in the transition of them running their own website
- Completed Search Engine Optimization(SEO) on each client's website to improve their website's standing on search engines

Tutor

August 2022 – December 2022

Math Consulting Center at Temple University

Philadelphia, PA

- Helped students prepare for exams from probability to calculus by explaining concepts rather than mechanics to improve their understanding of the subject

Teaching Assistant - Operating Systems

January 2023 – Present

Computer Science Department at Temple University

Philadelphia, PA

- Introduced new projects weekly and provided resources to students to help them complete labs on time
- Helped students in converting their code to reflect more efficient design patterns and aided in testing their code
- Conducted weekly office hours to provide individualized support and feedback to students on their assignments

TECHNICAL PROJECTS

Blogging App | Typescript, React.js, Firebase, TailwindCSS

July 2022

- Developed a multi-page React.js app that allowed authenticated users to create posts about any topic using Firebase for realtime cloud storage and authentication
- Added a optional blog tagging system so creators can make the topic of their blog easily searchable by adding one or more relevant keywords to their article

Web Resume Creator | JavaScript, React.js, TailwindCSS, HTML

February 2022

- Initially developed a resume creator Web App that allowed users to preview and alter their resume live but later converted to a component based design via React.js to improve feature scalability and project organization
- Added user information caching to save the time of users who need to edit their resume frequently
- Tested several react pdf-generation libraries to find one that worked produced high output quality

Battleship | JavaScript, Jest, HTML/CSS

December 2021

- Implemented the classic Battleship board game on the browser via Test-Driven-Development via Jest
- Utilized Drag and Drop events to help users place ships faster
- Improved CPU opponent AI to give the user a challenge instead of random guesses