Parth Patel

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EDUCATION

Temple University College of Science & Technology, Philadelphia, PA   August 2020 – December 2023
Mathematics & Computer Science, B.S.
GPA: 3.99/4 Dean's List: Fall 2020 - Present

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, HTML, CSS, Java, C, Oracle SQL, MATLAB
Frameworks / Services: React.js, Next.js, Node.js, Express.js ,TailwindCSS, Firebase, SpringBoot
Developer Tools: Git, GitHub, Wireshark, NPM, Unix/Linux
Testing: Mockito, Jext, Selenium, Postman
Certifications: AWS Cloud Practitioner (CLF-C01), HashiCorp Terraform Associate (HTA0-003)

EXPERIENCE

Software Engineering Intern   June 2023 – August 2023
JP Morgan and Chase   Wilmington, DE
- Created a Mortgage Appraiser record search functionality with SpringBoot and React and ensured it met business needs by communicating with relevant stakeholders.
- Utilized testing methods such as Unit Testing, Component Testing, and Automated Functional Testing to only deploy resilient and documented code into production.
- Leveraged Terraform's infrastructure as code (IAC) capabilities to automate an AWS Website deployment which to hold a knowledge transfer session with the team.

Research Assistant   May 2022 – June 2023
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 instead of mechanics to improve subject understanding

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