Ralph Parin

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EDUCATION

University of California, Irvine | *Bachelor of Science in Computer Science*   September 2020 - June 2023

RELEVANT COURSES

Software Engineering, Data Management, Requirements Analysis, User Interaction Software, Information Retrieval, Data Structures, Project in Algorithms and Data Structures, Project in Software System Design

EXPERIENCE

Software Developer Intern | *Angular, .NET, MySQL*   April 2023 - June 2023
Summit Technology Laboratory | Irvine, CA
- Collaborated with developers to create a Real Time Streaming web application that is accessible and responsive on both desktop and mobile devices
- Developed user interface based on an understanding of client needs and requirements
- Participated in weekly Scrum meetings and code reviews, to ensure adherence to MVC principles and improve application functionality, with a focus on a user-friendly, UI/UX
- Delivered incremental project updates, incorporating stakeholder feedback that led to a 20% improvement in user satisfaction with the final product

PROJECTS

Hello Dog | *React, Spring Boot, Junit, Jest, AWS, Docker*   Sep 2024 - Dec 2024
- Created a website that provides dog facts and breed info by integrating data from various RESTful APIs
- Utilized NVDA Screen Reader to test web content for keyboard navigation and screen reader compatibility
- Achieved 95% code coverage through unit test and integration test, accelerating the development cycle
- Implemented ARIA roles and properties to enhance accessibility
- Conducted accessibility testing using tools such as WAVE (Web Accessibility Evaluation Tool) and axe DevTools to identify and address accessibility issues, ensuring compliance with WCAG guidelines and enhancing user experience

Spotify Artist Network | *React, ExpressJs, Jest, AWS, Docker*   Oct 2023 - Nov 2024
- Utilized Spotify Rest API to create a responsive website for exploring an artist's network of related artists
- Increased SEO and reduce client resource usage through server-side rendering
- Enhanced application speed by caching recently accessed artist data, leading to a 50% improvement in perceived performance
- Developed automated accessibility tests using Jest and the axe library to ensure web applications met WCAG compliance

Clinical Trials Map | *ReactJS, ExpressJs, Git, Postman, Notion*   Aug 2023 - Sep 2023
- Collaborated with frontend and backend developers to create an interactive map of Clinical Trials
- Designed a multi-colored marker system to highlight a single trial across multiple locations using JSON data
- Enhanced team communication and version control efficiency by establishing a feature branch workflow
- Performed coding, debugging, testing, and troubleshooting throughout the application development process

Sleep Tracker | *Angular, Firebase, Git*   Nov 2022 - Dec 2022
- Implemented a user-friendly interface for easy logging of fatigue levels, wake-up mood, and sleep tracking
- Leveraged Firebase's cloud infrastructure for seamless data growth without performance impact
- Improved team productivity and task clarity by organizing regular check-ins and feedback sessions
- Wrote technical documentation detailing step-by-step instructions for launching and running the application

TECHNICAL SKILLS

Languages: CSS, HTML, Java, JavaScript, Python, TypeScript, SQL
Frameworks: Angular, Nextjs, Spring Boot, Jest, Junit, Playwright
Developer Tools: AWS, Docker, Figma, Git, IntelliJ IDEA, Node, NPM, Postgres, Postman, PyCharm, VS Code,