Ralph Parin

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EDUCATION

University of California, Irvine | *Bachelor of Science in Computer Science*   September 2020 - June 2023
- GPA: 3.67
- Specialization in Information

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, ASP.NET, MySQL*   April 2023 - June 2023
Summit Technology Laboratory | Irvine, CA
- Collaborate with front-end and back-end developers to create a Real Time Streaming web application that is cross-browser compatible and responsive on both desktop and mobile devices
- Participate 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
- Deliver incremental project updates, incorporating stakeholder feedback that led to a 20% improvement in user satisfaction with the final product

PROJECTS

Hello Dog | *React, Zod, Spring Boot, Junit, Jest, Postman, Docker* | Github | Website   June 2024 - Jul 2024
- Create a website that provides dog facts and breed information by integrating data from various RESTful APIs
- Utilize Docker to containerize the application, ensuring consistent environments and improving scalability
- Achieve 95% code coverage through unit test and integration test, accelerating the development cycle

Spotify Artist Network | *React, ExpressJs, Jest, Docker, Zod* | Github | Website   Oct 2023 - Nov 2024
- Utilize Spotify Rest API to create a responsive website for exploring an artist's network of related artists
- Increase 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

Clinical Trials Map | *ReactJS, ExpressJs, Git, Postman, Notion* | Github   Aug 2023 - Sep 2023
- Collaborate with frontend and backend developers to create an interactive map of Clinical Trials
- Design a multi-colored marker system to highlight a single trial across multiple locations using JSON data
- Enhance team communication and version control efficiency by establishing a feature branch workflow, reducing code conflicts and merge times by 25%

Search Engine | *Python, Flask, Git*   May 2023 - June 2023
- Apply ranking algorithms such as cosine similarity to achieve search response times of under 300 milliseconds
- Utilize pandas dataframes to optimize the retrieval processes, reducing query processing time by 40%
- Arrange multiple meetings to gather project requirements and split tasks based on interests and individual strengths, resulting in a 20% improvement in project efficiency and collaboration

Sleep Tracker | *Angular, Firebase, Git* | Github   Nov 2022 - Dec 2022
- Implement a friendly UI and UX for easy logging of fatigue levels, wake-up mood, and sleep history tracking
- Leverage Firebase's cloud infrastructure for seamless data growth without performance impact
- Organize regular check-ins and feedback sessions to align project goals, resulting in a 20% improvement in team productivity and task clarity

TECHNICAL SKILLS

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