

Ralph Parin

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EDUCATION

University of California, Irvine | *Bachelor of Science in Computer Science*

September 2020 - June 2023

- GPA: 3.67

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 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
- 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

- Create a website that provides dog facts and breed information by integrating data from various RESTful APIs
- Utilized Docker to containerize the application, ensuring consistent environments and improving scalability
- Achieved 95% code coverage through unit test and integration test, accelerating the development cycle

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

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

Search Engine | *Python, Flask, Git*

May 2023 - June 2023

- Applied ranking algorithms such as cosine similarity to achieve search response times of under 300 ms
- Utilized pandas dataframes to optimize the retrieval processes, reducing query processing time by 40%
- Arranged 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*

Nov 2022 - Dec 2022

- Implemented 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
- Improved team productivity and task clarity by organizing regular check-ins and feedback sessions

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