

# 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** | *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 frequently accessed artist data, leading to a 50% improvement in perceived performance

**Clinical Trials Map** | *React, ExpressJs, Git, Postman, Notion* | [Github](#)

Aug 2023 - Sep 2023

- Collaborate with front-end and back-end 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 user interface for easy logging of fatigue levels, wake-up mood, and sleep history tracking
- Leverage Firebase's scalable 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

**Frameworks:** Angular, Nextjs, Spring Boot, Jest, Junit

**Developer Tools:** Docker, Figma, Git, IntelliJ IDEA, Notion, PostgreSQL, Postman, PyCharm, VS Code, Visual Studio