

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, Human Computer Interaction, 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 - Dec 2023

- 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
- Designed a multi-colored marker system to highlight a single trial across multiple locations using JSON data
- Utilize Notion to track tasks and milestones, increasing project transparency and collaboration by 30%

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
- Utilize Angular's routing module to enable seamless navigation between different data views
- Enhance team communication and version control efficiency by establishing a feature branch workflow, reducing code conflicts and merge times by 25%

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