

# Rich Ho

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## EDUCATION

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### California State University, Los Angeles (CSULA)

*Bachelor of Science in Computer Science*

Relevant Courses: Data Structures & Algorithms, Fundamentals of Network Systems and Cybersecurity, Web and Internet Programming, Current Trends in Web Design, 3D Game Programming, Virtual Reality, Intro to Data Visualizations, Artificial Intelligence, Principles of Database Systems

## SKILLS

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**Languages:** JavaScript, TypeScript, Python, Java, C# , HTML/CSS

**Technologies/Tools:** React.js, Node.js, Express.js, Next.js, Spring Boot, FastAPI, SQL, NoSQL, Tailwind CSS, Git/GitHub, REST, AWS, Bootstrap, Postman, VS Code

## PROJECTS

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### Event Tracer | Next.js, MongoDB, Clerk, Stripe, Zod, Tailwind, shaden, uploadthing Jun 2024 - Sep 2024

- Leveraged *Next.js* to create a responsive web application that allows users to host events in the area along with purchasing tickets to these events.
- Incorporated *Clerk* authentication service to secure user access and authorization, resulting in enhanced data privacy and user management.
- Integrated *Stripe* payment processing, enabling secure transactions for event ticket sales.

### Reddit Clone | React.js, Java - Spring Boot, MySQL, Bootstrap Mar 2024 - Apr 2024

- Engineered robust user authentication and authorization system using JWT, ensuring secure access and safeguarding user data.
- Modeled and implemented an efficient database schema using Spring Data JPA, optimizing data storage and retrieval processes for user posts, comments, likes, and subreddits.
- Developed post, comment, and voting functionality using *Spring Boot* for the server, enhancing user interaction and overall Reddit experience.

### MyMusicWrap | React.js, Express.js, MongoDB, EC2, SpotifyAPI Feb 2024 - Apr 2024

- Implemented similar features of Spotify Wrapped, allowing users to gain insights into their top 10 artists and track music listening habits year-round based on the timeframe of their choosing.
- Enhanced user experience with interactive features, such as playing recommended songs directly on the site and adding them to Spotify playlists.
- Managed user data retrieval securely using *Express.js* to handle SpotifyAPI interactions, ensuring minimal exposure of confidential information.

### MoonTrek NASA JPL (Senior Capstone) | Vue.js, Express.js, MySQL Aug 2022 - May 2023

- Led a team of 4 to create a web application called YourMoon to crowdsource lunar images globally, resulting in **90%** reduction in travel costs and manual internet image scraping.
- Created a cropping tool for YourMoon enabling users to crop their image for upload, resulting in more pure images of the moon.
- Integrated automatic metadata extraction from user image uploads and stored in *MySQL* database to test image registration model.

## WORK EXPERIENCE

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### Intercare Holdings Insurance Services | Admin Support Clerk (Temp) Sep 2024 - Present Glendale, CA

- Managed document digitization by organizing and scanning historical files, ensuring accurate categorization and seamless integration into the claims database
- Tracked progress of scanned files using Excel, maintaining up-to-date records for efficient claims processing.