

# Rich Ho

Los Angeles, CA | (323) 540-2762 | horich66@gmail.com | linkedin.com/in/horiich | github.com/rriich | US Citizen

## EDUCATION

---

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

*Bachelor of Science in Computer Science*

Relevant Courses: Data Structures & Algorithms, Fundamentals of Network Systems and Cybersecurity, Software Engineering, 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

---

**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

---

**Event Tracer** | Next.js, MongoDB, Clerk, Stripe, Zod, Tailwind, shadcn, uploadthing **May 2024 - Jul 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 **Nov 2023 - Feb 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

---

**Hooshik Cafe | Manager/Barista** **Feb 2019 - Mar 2020**

*Monterey Park, CA*

- Worked in a team environment to communicate and cater to customer accommodations.
- Managed employees to assigned tasks throughout the shift to increase productivity by **50%** .