

Ruolan Shen (Rebecca)

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EDUCATION

University of Southern California

Master of Computer Science (Data Science)

August 2020 – May 2022

California State University of Los Angeles

Bachelor of Computer Science

August 2016 – May 2020

EXPERIENCES

Full Stack Developer

Tinky AI, Remote

April 2023 – Present

- Architected AWS Serverless backend systems, specializing in DynamoDB for efficient data management.
- Integrated AWS Lex and OpenAI API, boosting application capabilities and user interaction.
- Developed a sleek, consumer-centric (B to C) interface with React Native and Expo UI, prioritizing responsiveness.
- Collaborated cross-functionally, ensuring timely feature delivery and high code quality.
- Proactively adapted to emerging tech, optimizing workflows for enhanced team efficiency.

Research Assistant - Physics Department

California State University of Los Angeles, Los Angeles, CA

October 2018 – May 2019

- Orchestrated with other assistances to compare and analyze GRACE data using NASA GRACE Data Tool(DAT).
- Led by the professor to extract climate change data using MATLAB (Climate Data Toolbox) .

Web Designer/Manager - Student Association: CAESAR Club

California State University of Los Angeles, Los Angeles, CA

October 2018 – August 2019

- Designed and implemented layout of club website using Vue.js and Node.js
- Managed general maintenance and updated web CSS style sheets and pages on a regular basis and as required

PROJECT

College Admission Application

April 2022

- Set up cloud database using Cloud Firebase to store data
- Manage integration between Numbeo API and web application
- Used Streamlit Framework to develop and design our user interface to capitalize on simplicity and the abundance of python libraries we can use in handling the data.

August 2019 – May 2020

JPL Moon Trek Telescope Application

- Coordinated with team and liaisons from JPL to implemented a browser-based application that allowed users to view various overlays and annotations from the Moon-Trek database.
- Used Openlayers to create custom projection, transform image data to layer source, and image coordinates into map coordinates. Build customer UI with Vue.js.
- Contributed in using OpenCV library to implement real-time image matching with similar features and inliers.

SKILLS

Programming Languages

Java, SQL, Python, React Native, JavaScript, HTML/CSS

Tools/Framework

AWS, Expo, MATLAB, Firebase, Vue.js

Communication

English, Mandarin