Honghao Zheng

hzheng40@syr.edu | 6308197574 | www.linkedin.com/in/honghao-zheng-77167223a

Bio: A Computer Science master graduating in May, I hold a U.S. green card with legal work status. With a diverse project portfolio spanning website development, Android apps, and AI. Experienced in project management job, I excel in guiding teams towards success and thrive in collaborative environments.

EDUCATION

Syracuse University *-Master of Computer Science*	Sep.2022 - May.2024
Harbin institution of technology *-Bachelor of Engineering*	Sep.2016 - Jun.2020

PROJECT EXPERIENCE

Twitter Clone Android App
- Using android studio and Kotlin to code the app.
- Implementing features such as posting tweets, following users, real-time chat etc. Ensured seamless user experience and adherence to Twitter's design principles.
- Using the firebase the store the data. Make all data is store in the firebase database.
- Populated user click records data, calculated user preferences, and built a user profile.

Transformer Chatbot
- Developed a Transformer-based chatbot by referencing the Transformer paper. Trained the model by movie dialogue datasets to enhance conversational capabilities. Implemented server connectivity for web-based deployment, enabling chatbot interaction via text and voice inputs.
- Comprising 6 encoder and 6 decoder layers, incorporating an 8-head model for enhanced contextual understanding. Successfully trained the model on a multilingual dataset, demonstrating its proficiency in handling diverse languages.

Hospital Database Management System
- Database Design Project for hospital utilizing Microsoft database. Designed schema and implemented functions for efficient actions such as reservation, data calculation, and human resource management across departments. Also involved in medical supply management.

MERN Social Network Web App
- It is a social network app that includes authentication, profiles and forum posts.
- Using Node, Express, API to set back-end, using React, Redux to create the UI and front-end.
- Using MongoDB atlas, jwt, bcrypt, express-validator to store and authenticate user information.
- In profile, we can set our own social network links, skills, resume and recent 5 github repos in it.
- In forum, users can create posts and comment on them, and can like or unlike the post.

YelpCamp
- YelpCamp is a full-stack website project where users can create and review campgrounds.
- Utilized HTML, CSS, Bootstrap, Ejs, and DOM Manipulation for front-end development, alongside Node and Express for server-side operations. Employed data associations to link user data with campgrounds and comments. Deployed on Heroku with MongoDB atlas.
- Implemented essential campground post management functionalities, including creation, editing, and deletion of posts and comments, alongside the ability to upload photos and display campground locations using MapBox.

WORKING EXPERIENCE

Weiye Holdings (HK.1570)	**Shenzhen, China**
General Manager Assistant	Aug. 2020 - Aug.2021

- Led and assist the development team in designing and implementing a parking app, streamlining user experience and enhancing functionality through iterative development cycles.
- Collaborated with manager to identify market demands and translate them into actionable product features, driving user engagement while staying ahead of industry trends.
- Created finance posters analyzing industry trends and conducting cost-profit analyses to inform strategic decision-making.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL, HTML/CSS, JavaScript, Kotlin
Frameworks and tools: MySQL, ReactJS, ExpressJS, PassportJS, NodeJS, Bootstrap, RESTful API, NLTK, MongoDB, Spark, Flask, TensorFlow, PyTorch, Pandas, Git