

Qijun Hu

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Education

University of California San Diego, La Jolla, CA Sep.2021 - Present

BS in Math-Computer Science and Cognitive Science, Marshall Honors Program, GPA: 3.94/4.0

- **Coursework:** Data Structures, Algorithms, Software Engineering, Systems Programming

Technical Project

Zodiak Website Apr.2023 - Jun.2023

- Designed and developed a website using **HTML**, **CSS**, and **JavaScript** that provides user with daily horoscope, love compatibility checker, and life advice based on user's birthday
- Incorporated **JSDoc** in **CI/CD pipeline** to automatically generate documentation
- Utilized **Puppeteer** and **Jest** to perform end-to-end testing throughout the website
- Collaborated in team of 10 with **Agile** approach, using Linter to ensure consistent code style

Eventify Web Apps Apr.2023 - Jun.2023

- Designed and developed a web application using **React** to help UCSD students and organizations to find and create on-campus events
- Embedded Google Map on home page and implemented **automatic zoom of map** when user interacts with event card by creating data flow between different components
- Implemented login function by connecting with database using **Axios**, allowing user to create and delete events in their account while sync the changes to event lists on home page

ThatHat Discord Bot Simulation Mar.2023

- Developed a discord bot in **Python** as prototype for the self-designed social media app ThatHat to simulate user's daily activities of exchanging messages under various topics
- Used the bot to perform **user testing on 30+ people** simultaneously, leading to iteration of follow-up chat function and text decorations in the final product

Diary Project Feb.2021 - Apr.2021

- Designed and developed a **Java** program with GUI for high school teachers that allows for login, write, and read diary, with special function to insert stickers tailored for user needs

Professional Experience

UCSD CSE Department Tutor Nov.2022 - Present

- Tutored for **Software Tools and Techniques Laboratory** with >90% positive feedback rate
- Lead 4-6 groups of 8-12 students for 2-hour weekly labs, guide learning on various tools like **Git**, **Vim**, **Linux Bash Shell**, and debugging techniques

SDE Intern, Yulore Innovation Technology Ltd Jun.2020 - Aug.2020

- Developed a web crawler to collect information (name, telephone, location, etc.) from 100+ companies and build a pipeline to load data into **Mongo DB**
- Learned Python and MongoDB from scratch in 1 month

Skills

- Languages: Java, HTML/CSS, JavaScript, C/C++, Python, Bash
- Frameworks/Libraries: React, Material-UI, JUnit, Puppeteer, Jest, Axios
- Developer Tools: Git, Vim, Nano, VS Code, Webflow

Activities and Leadership

Coordinator - Beijing National Day School Website Group Mar.2019 - Jul.2020

- Lead student team to assist the building of official website for the International Department