

Huiyu (Anthony) Chen

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EDUCATION

WORCESTER POLYTECHNIC INSTITUTE

M.S. IN COMPUTER SCIENCE
Jan. 2022 – Present | Worcester, MA

CHINA AGRICULTURAL UNIVERSITY

B.E. IN ENGINEERING MECHANICS
Sep. 2017 – Jul 2021 | Beijing, China

PEKING UNIVERSITY

B.E. IN ECONOMICS
Sep. 2019 – Jul 2021 | Beijing, China

SKILLS

Programming Languages

Java • JavaScript • Python • TypeScript •
HTML/CSS • C/C++

Database/Cloud

MySQL • OracleDB • MongoDB • AWS • Docker
Framework/Tools

Node • React • Express • Angular • Bootstrap •
Spring Boot • Git • Firebase • Pandas

EXPERIENCE

CHONGQING HOG BIG DATA CENTER | DATA MANAGEMENT INTERN

Jul 2021 – Oct 2021 | Chongqing, China

- Created a react app to display real-time data visualization of frequent requests, and enhanced the responding efficiency by 50 %
- Scrawled millions of live pig transaction data using Python Web Crawler
- Built a web project by Flask format and MySQL to store data
- Implemented functionalities in the development of the Pet Doctor App, such as log in/register, doctor search, medication data update, etc.

LINKS

Github:// [My Github](#)
LinkedIn:// [Anthony Chen](#)
Website:// [My Website](#)

PROJECTS

AMAZON WEB SERVICE E-COMMERCE PLATFORM | REACT.JS | NODE.JS | EXPRESS.JS | REDIS | MONGODB | AWS

- Developed an e-commerce platform that supported functionalities including sign-in, product search, checkout, user authentication and address update
- Implemented the front-end service with React.js framework and UI components with Bootstrap
- Designed and developed back-end service using Node.js and Express.js
- Added middleware Redis server between front-end and back-end to cache requests
- Uploaded product images to AWS and deployed web applications on Heroku
- Embedded Map with address auto-completion and added marker functionalities using Google Maps JavaScript API

INVENTORY MANAGEMENT SYSTEM | JAVASCRIPT | MYSQL | SPRINGBOOT | RESTFUL | JSP | BOOTSTRAP

- Designed and implemented a web application enabling users to access, search and modify inventory items
- Designed MySQL table schemas to ensure data storage and accessibility
- Implemented the front-end service with React.js framework and UI components with Bootstrap
- Built RESTful API as a back-end service with Java Spring Boot and Tomcat servlet

RECIPE API WITH PYTHON AND DJANGO | PYTHON | DJANGO | DOCKER | POSTGRESQL

- Created a recipe API that can handle user authentication, object creation, and image upload with Python, Django, Django REST framework, Docker, PostgreSQL and TDD principles
- Created recipes objects with titles, price, points, cooking times, ingredients and tags
- Deployed the project with Docker and Docker-Compose and configured a MySQL
- Wrote Unit Tests with Django Test Framework

SOCIAL NETWORKING MOBILE APPLICATION | FLUTTER | FIREBASE | GOOGLE CLOUD | TYPESCRIPT

- Built cross-platform social networking app clones of Instagram, TikTok, Zoom, Twitch and Whatsapp that can run on both Android and iOS with Flutter framework
- Developed the back-end service based on Google Cloud Platform. Implemented user registration, login, user data storage with Firebase Authentication