

Cynthia Xu

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Junior Analyst Programmer

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EDUCATION

Zhongkai University of Agriculture and Engineering | Guangzhou, China
English Literature (Bachelor)

09 2019 – 06 2023

Stanford University
Complete Online Course: Code in Place(Study Programming Language - Python)

04 2023 – 06 2023

PROJECTS EXPERIENCE

1. Project Summary: Designed and created a shopping website (for courses).
 - **Optimized and maintained the website** by **reducing HTTP requests (CSS Sprites, inline image, etc.)**, **reducing DOM quantity**, **adjusting CSS format**, and **importing CSS externally**, which improved website performance and reduced webpage loading time by 45%, improving user experience;
 - Implemented **webpage layout design** and improved webpage development efficiency by **using UI frameworks such as Bootstrap**;
 - Carried out **responsive web-page** development, **developed webpages to different viewports(Website or Mobile)** by using **REM, Grid, and Flexbox**, and made the website successfully responsive to different devices;
 - Completed PC and mobile responsive webpage creation, made the webpage run smoothly using front-end technologies such as HTML, CSS, and JavaScript as well as VSCode application;
 - Participant in System Development Life Cycle;
2. Project Summary: Developed a movie library.
 - Accurately **developed frontend part according to UI using Photoshop**, with 44% increase in reproducibility;
 - Implemented various interactive switching effects of the webpage;
 - **Developed and designed webpage structure**, using **React framework** to flexibly render webpage components, and improved code reusability;
 - Carried out debugging and **used Git** for version control and collaborative development, making it easier to view modification history for future website maintenance;
 - Measured performance of the website, using another website: web.dev to optimized 1/3 existing issues;
 - **Refactored** and encapsulated **codes** to make it concise and easy-to-read, improved reusability, and ensured data security;
 - **Maintain APIs for website, hiding implementation details and keep safety**;
 - Built different port Node services based on the back-end source code to enable interaction and communication with the React project and store data in the MongoDB;
 - Implemented dynamic information display and presented data in a concise and intuitive front-end interface, optimized the process, and simulated data interaction in the MongoDB database;

KEY SKILLS

1. **Technical Skills:**
 - Markup Languages(Experienced): HTML, HTML5, CSS, CSS3, **JavaScript**, Object Oriented Programming JavaScript;
 - IDE(Proficient): Visual Studio 2019, PyCharm;
 - Databases(Familiarized): **MySQL**, MongoDB;
 - Module Bundler(Familiarized): Webpack, Parcel;
 - Framework and library(Experienced): React.JS, React Hooks, Bootstrap;
 - Learnt and understand Object Oriented Programming concepts;
 - Programming Language(Familiarized): Python;
 - Version Management(Familiarized): Git, Github
2. **Additional Skill:**
 - **Languages:** Chinese (*Native*), English (*Business Level*), Japanese (*Daily Conversation*)
 - **Microsoft Office:** Proficient in Word, Excel, PowerPoint and Outlook;