

Angela Wang



Homepage



wangangela880



Linkedin



wangangela880@gmail.com



(407) 720-6727

EXPERIENCE

AMAZON, DEX SCOUT TEAM | SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2022 -- August 2022 | Seattle, WA, US

- Constructed a visualization web application to track and model the execution of action of Scout and improve the efficiency of developing by 50% from requirement gathering and analysis, designing, developing, testing, and deployment.
- Implemented **RESTFUL APIs** to build and edit Behavior Tree written in **C++**. Designed database schema and store parsed **XML** files in **S3** database by using **Node.js** and **Express.js**; visualized json using **Typescript** by implementing **React** and maintained the state with **Redux** architecture implementation. Used **JSON** to send request to the server to store and exchange information between browsers and servers.
- Deploy application on **AWS EC2** to achieve scalability; utilized **AWS ELB** for load balancing; scheduled **AWS Lambda** functions to trigger various AWS resources.

SOFTWARE ENGINEER INTERN | YUANSHEG BIOLOGICAL ENGINEERING CO., LTD.

Jiangsu, China June 2020 -- July 2020 | Jiangsu, China

- Used **Vue.js**, **Vuex** bundled with **Webpack** to build front-end of company website integrated with **element.ui** and **d3.js** and deployed service on **AWS** for public access.
- Developed **micro services** based on **Django** framework and constructed library-search feature for web app back-end to optimize manual labeling process using **Elasticsearch**.

SOFTWARE ENGINEER INTERN | KANGXING SHENGNUO BIOTECHNOLOGY CO., LTD.

June 2018 -- August 2018 | Jiangsu, China

- Applied **jQuery** and **Tableau SDK** to visualize core data from product sales, popularity and ratings for the whole data analysis team.
- Built a data back-end system with **Django** to extract and clean data from csv files to **MySQL**, supporting the data analysis for over 16,308 beverage products.

PROJECTS

FEEDBACK COLLECTION WEB APPLICATION | JAVASCRIPT, REACT, REDUX, NODE.JS,

EXPRESS.JS, MONGODB, GIT

June 2021

- Enabled user data storage and survey results in **MongoDB** database by **Express.js** and **Mongoose**; rendered survey results on front-end with **React**, **React-router** and **Redux**.

DJANGO BASED E-COMMERCE WEBSITE | PYTHON, DJANGO, JAVASCRIPT, JQUERY AJAX,

PYTHON, PAYPAL API

October 2020

- Applied **Docker and Nginx** to automatically deploy system on **AWS EC2** to achieve scalability; utilized **AWS ELB** for load balancing. Created back-end related database using **SQLite** to implement user query and retrieval functions.

UNIX SHELL | C++

October 2020

- Implemented a Shell with the Parser, the Executor and the Subsystems. Built the built-in commands like ls, echo, cd, mkdir, history, the prompt and scripting.

SKILLS

PROGRAMMING

C++ • C • JavaScript • Python
SQL • CSS • HTML •

Java • PHP • Shell • Typescript

LIBRARIES/Frameworks

jQuery • Node.js • Express.js
• React • Angular • Redux •
Hook • Vue.js • Vuex • Django
• Flask • Springboot • Spring-MVC

TOOLS/PLATFORMS

Git • Webpack • Heroku
Wordpress • Docker • AWS
EC2 • MySQL • AWS RDS •
AWS DynamoDB • MongoDB
• AWS Lambda • GraphQL

EDUCATION

NORTHEASTERN UNIVERSITY

MASTER OF SCIENCE IN COMPUTER
SCIENCE -- ALIGN

Sep. 2021 -- Expected May 2023 |

Seattle, WA

GPA: 3.92

NATIONAL UNIVERSITY OF SINGAPORE

MASTER OF SCIENCE

August 2020 - June 2021 | Singapore

GPA: 4.0

JIANGNAN UNIVERSITY

BACHELOR OF ENGINEERING

Sep. 2016 -- May 2020 | China

GPA: 3.61

COURSEWORK

GRADUATE

- Data Structure and Algorithms
- Database Management
- Operating Systems
- Oriented-Object Design
- Cloud Computing