

Xiaoyun(Larry) Wang

Frisco, TX 75034 || +1 (213) 421-2024 || larrywong9898@gmail.com || <https://larrywong98.github.io/>

WORK EXPERIENCE

Chuwa America Corp.

Santa Clara, CA

Software Engineer

10/2023 – present

Project Name: Deals on Demand -- Find the best deal from Amazon, Walmart, Newegg, etc

- Developed UI to show list of products from multiple retailers using **Typescript** and **Ant Design**
- Managed application state with React hook, **Redux**, **Redux Thunk** and persisted state with **Redux-Persist**
- Built data fetching module with **RTK Query** while handling loading status with **useQuery** hook
- Implemented backend services with **Node.js** and split **RESTful** web services into different files with **Express Router**
- Adopted **Agile** Project Management and automated CI/CD pipeline with Github
- Conducted unit test with **Jest**, **React testing library** and E2E test **Cypress**

Fashom

Miami, FL

Software Engineer

11/2022 – 10/2023

Project Name: Affordable Styled Clothing Delivered to Your Doorstep

- Built responsive product website with login page, product page, inventory management page using **Material UI**, **CSS**, **Redux**
- Implemented clothes recommendation page interacting with **Express** follow **RESTful** principles
- Developed daily update automation pipeline to synchronize in-store data from Shopify with **Polaris React** framework
- Implemented **OAuth2** authentication functionality with Google authentication code flow
- Automated daily database updates with **Selenium** and used **Pandas** to process customer purchase data for precise advertising
- Utilized SQL to query data from MySQL database and integrated the query scripts with the recommendation engine

Shanghai Snow Lake Technology Co., Ltd.

Shanghai, China

Software Engineer

07/2020 – 07/2021

- Collaborated and discussed the architecture of the high performance computing system with **OOP** design and adopted **Agile** Methodology
- Developed high performance computing platform with C++ for hardware verification
- Implemented **RESTful** web services with **Flask** and built CRUD services for database retrieval
- Utilized **React** framework to create user interface and dashboards for displaying molecule dynamic formula and coefficient tables
- Built a product website with **HTML**, **CSS**, **JavaScript** introducing high performance computing platform for molecule dynamics
- Improved the website by using **CSS Animation** for simple molecule movements and using Media query for responsive design

Cadence Design Systems, Inc.

Shanghai, China

Software Engineer Intern

07/2019 – 06/2020

- Built dashboard to track hardware performance with **Bootstrap**
- Implemented UI with **Streamlit** and integrated the frontend application with **PySpark** and our team's custom big data package
- Plotted bar charts and heat map with **HighChart** and show paginated data on the page
- Utilized **Spark** to implement parallel BFS to query the shortest path among millions of nodes
- Built **RESTful** Web Services with Java **SpringBoot** and stored hardware data on **HDFS**

EDUCATION

University of Southern California

08/2020 – 12/2022

Master of Science in Computer Science

GPA: 3.5/4.0

Courses: Analysis of Algorithms, Advanced Mobile Devices and Game Consoles, Web Technologies, 3-D Graphics and Rendering, Multimedia Systems Design, Information Retrieval and Web Search Engines

Shanghai Ocean University

09/2016 – 06/2020

Bachelor of Engineering in Computer Science

GPA: 3.6/4.0

Courses: Basic Programming(C), Assembly Language, Compiler Principles, Java Design Patterns, Operating System, Database System, Algorithm Design, Data Structure, etc

PROJECTS

Custom Search Engine

01/2022 – 05/2022

- Created search engine web page with **Bootstrap** and **PHP**. Sending requests and retrieve JSON data return from the server
- Extracted links from 16400 web pages and built up Solr server searching method with Pagerank algorithm
- <https://github.com/larrywong98/SearchEngine>

Weather Forecast App

09/2021 – 12/2021

- Created web weather forecast application with **Angular** and **Node.js** and deployed to GCP
- Created IOS weather forecast application with IOS UIKit and embedded **Highcharts** to detailed data tab
- <https://github.com/larrywong98/WeatherForecast>

SKILLS

Programming: JavaScript, Typescript, React, Python, Java, HTML5, CSS3, SQL, NoSQL, C++

Software and Platform: NPM, Node.js, Hadoop, Spark, MySQL, Flask, Django, SpringBoot, Docker, Mongoose, Git, Bootstrap, etc

Mathematics: Multivariable Calculus, Probability Theory, Linear Algebra, Discrete Mathematics