Chaoyang Zhu

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Objective: Seeking Software Engineer position   **Linkedin:** https://www.linkedin.com/in/chaoyang-zhu-bb674a17b

EDUCATION

Texas A&M University, College Station, Texas	Aug 2019 – May 2022
Master of Science in Computer Engineering	*GPA: 3.85/4.0*
Nanjing University of Information Science and Technology, Nanjing, China	Sep 2015 – Jun 2019
Bachelor of Engineering in Internet of Things Engineering	*GPA: 3.86/4.0*

SKILLS

Programming: Java, JavaScript, TypeScript, Python, C/C++, HTML, CSS

Technologies: React, NodeJS, Redux, Bootstrap, Express, jQuery, Spring Boot, MySQL, MongoDB, Docker, Kubernetes, QT

Tools: Git, GitLab, Gerrit, Jira, Figma, Scikit-learn, Pandas, NumPy, NLTK, Linux

EXPERIENCE

Chuwa | Software Engineer, Santa Clara, California   Sep 2022 – Now

- Built an eCommerce website with the **M**ongoDB **E**xpress **R**eact **N**odeJS technical stack.
- Customers can buy products while administers can update the products' information on the website.
- Created functional components with **React Bootstrap** and constructed **RESTful** APIs with **Express.**
- Improved user experience by providing search bar, carousel, and pagination.

Ericsson | Web Developer Intern, Austin, Texas   Jun 2021 – Dec 2021

- Collaborated with Baseband Infrastructure Team to work on a cloud-based IDE development using **React** and **TypeScript**.
- Created the Login and Logout page for the IDE with **Ericsson Design System** and **Figma.**
- Designed and implemented a Setup Wizard for the customers to configure their accounts.
- Expedited restarting and deleting users' workspaces by optimizing the calling of **Juggler API** in the async function.
- Improved user experience by adding confirmation Popups and upgrading components with **EDS**.
- Tested new features by deploying codes to the custom pod with **Kubernetes**.
- This IDE is being used by hundreds of baseband developers at Ericsson which facilitates their work.

Tarena | Software Development Apprentice, Nanjing, China   Jan 2019 – Apr 2019

- Developed mobile applications such as E-Reader App and Weather App on **Android Studio** by **Java**.
- Developed desktop version Pop Star game on **QT** by **C++**.
- Designed a user-friendly interface and algorithm to pop stars. Added sound effects and scoring function for the game.

PROJECTS

Personal Project Management Tool – Full Stack | GitHub | Heroku   Jul 2022 – Sep 2022

- Built RESTful APIs with **Spring Boot** for CRUD operations in the back end.
- Created the front-end application using **ReactJS**, **Redux** and **Bootstrap**
- Connected the **Spring Boot** APIs with **MySQL**, deployed the completed project to **Heroku**.

To Do List Application – Full Stack | GitHub | Heroku   Oct 2020 – Nov 2020

- Developed a To-Do List web application by **Node.js**, deployed the server with **Heroku**.
- Used **EJS** to generate different **HTML** web pages for different To-Do Lists.
- Processed the application data with **MongoDB**, deployed the database to **MongoDB Atlas**.

Web Development | GitHub | GitHub   Aug 2020 – Sep 2020

- Created my personal website using **HTML** and **CSS**, hosted it on GitHub Pages.
- Implemented a startup website showing a mobile application using **Bootstrap**.

Search Engine based on Flashcard Dataset from Quizlet | GitHub   Jan 2020 – Mar 2020

- Utilized **Python NLTK** package to process the data set, including tokenizing corpus, removing stop words, and stemming.
- Built an inverted index to support Boolean Retrieval and ranked the documents with TF-IDF and BM25 algorithms.
- Improved the search engine by generating word embeddings using Word2Vec algorithm for the **Vector Space Model**.

WORK AUTHORIZATION

Eligible to work in the U.S. with OPT