Chaoyang Zhu

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

EDUCATION

Texas A&M University   College Station, Texas
- Master of Science in Computer Engineering   GPA: 3.83   08/2019 - 05/2022

Nanjing University of Information Science & Technology   Nanjing, China
- Bachelor of Engineering in Internet of Things Engineering   GPA: 3.86   09/2015 - 06/2019

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, C++, HTML, TypeScript
Frameworks and Technologies: Git, React, Node.js, CSS, Bootstrap, Express, EJS, MongoDB, MySQL, Linux, QT, AWS Cloud9, VS Code, Jupyter Notebook, IntelliJ IDEA

EXPERIENCE

Ericsson | Developer Intern   06/2021 - 12/2021
- Collaborated closely with team to develop a Cloud Studio front end project used by Ericsson 5G baseband developers using React, TypeScript and Git
- Added "About Cloud Studio" and "Contact us" elements in the Sign in view
- Added "Give us feedback" and "Logout" elements in the Discover view
- Handled incorrect login message. When the user login fails, user ends up back at the login page, but an added component will indicate that there was a login failure
- Added keyboard event listener. When hitting enter from password field, sign in happens

Tarena | Software Development Trainee   07/2018 - 08/2018; 01/2019 - 04/2019
- Developed an E-reader application on Android Studio by Java. Provided user with different novels on the home page. Provided them with functions of changing the font size and background on the reading pages
- Developed a Pop Star game application on QT framework by C++. Designed a user-friendly gaming interface. Designed the algorithm to pop stars when the condition holds. Added the sound effects and scoring function when stars are popped.

PROJECTS

Web Development   08/2020 - present
- Created my personal website using HTML and CSS, hosted it on GitHub Pages
- Implemented a startup website showing a mobile application using Bootstrap
- Developed a local blog system by Node.js and Express, connected it with the local MongoDB database

To-Do List Application   10/2020 - 11/2020
- Developed a To-Do List web application by Node.js, deploy 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

Machine learning with Pokemon GO   09/2020 - 10/2020
- Data exploration: visualized the scatter plots and computed the Pearson's correlation coefficient between the numerical attributes themselves and the combat points
- Pre-processed the categorical attributes with the one hot encoding
- Implemented a Linear Regression model to predict the combat points, used 5-fold cross-validation to evaluate the model.

Search engine   01/2020 - 03/2020
- Tokenized queries and documents, removed stop words and stemming with nltk packages
- Built an inverted index to support Boolean Retrieval, ranked the documents with TF-IDF and BM25
- Improved the engine by generating word embeddings for tokens in the dataset using Word2Vec algorithm

WORK AUTHORIZATION

Eligible to work in the U.S. with OPT