Xuanan Yue (Ian)

Phone: (959)-929-1133 | Email: xuanan.ian23y@gmail.com

OBJECTIVE

A recent graduate from UCLA with MS degree in Electrical and Computer Engineering seeking a software development engineer full time opportunity at Amazon to provide a variety of software solutions. Bringing web application experience in JavaScript, Python, ReactJS, NodeJS and SQL to meet client needs and exceed expectations.

EDUCATION

University of California, Los Angeles   **Los Angeles, CA**

Master of Science – Electrical and Computer Engineering   Sep 2020 – Mar 2022

Core Courses: Algorithms, Human-Computer Interaction, Data Mining, Reinforcement Learning, Computer Architecture…

University of Connecticut   **Storrs, CT**

Bachelor of Science in Engineering – Electrical Engineering   Aug 2016 – May 2020

Minor: Mathematics Degree Honor: Cum Laude

TECHNICAL SKILLS

Programming: JavaScript, Python, HTML5, CSS, SQL(MySQL), NoSQL (MongoDB), C, LaTeX, MATLAB, Java

Frameworks and Tools: React.JS, Express.JS, Node.JS, Bootstrap, jQuery, Docker, Git, Linux

WORK EXPERIENCE

Ender   **Austin, TX**

Frontend Software Engineer Intern   May 2022 – Aug 2022

- Participated and developed a new move-out system feature with more organized and linear workflow to meet clients' needs by using **JavaScript**, **ReactJS**, and applied styling with **CSS** to follow designers' design.
- Implemented and converted UI components with **Mantine UI** library to improve user experience and visual effects.
- Deployed a portfolio page for property managers to show overall accounting data in tables of all properties.
- Developed multiple reusable **ReactJS** components to enhance functions and improve efficiency.
- Collaborated with PM and backend team to optimize spotlight search function to generates results with different input keywords.
- Cooperated with designers to complete UI beautification and improvement to satisfy clients requires on **Figma**.

PROJECTS   Portfolio: xuananyue.com

Players Paradise (MERN: MongoDB, Express, ReactJS, NodeJS)   Dec 2021 – Feb 2022

- Developed a full stack e-commerce web application using **JS/ReactJS** and **Redux** to allow users to post and buy used PS4/5 disks. Applied cloud services Mail Gun, Google Map, PayPal to improve user experience.
- Built backend using **ExpressJS/ NodeJS** with **RESTful APIs**. Built **MongoDB** database to store users and products data.
- Utilized JSON Web Token (JWT) authentication middleware for user information on the server side. Created admin page to allow sellers to check the order history and status to maintain the website.

Wut2Eat! (MERN: MongoDB, Express, ReactJS, NodeJS)   Feb 2022 – Mar 2022

- Designed a full stack web application with **ReactJS** and **NodeJS** that provided users trustable places with Google Map API and reduced searching time with functions that allow users to share restaurants all around the world.
- Developed backend server using **ExpressJS** and **NodeJS** with **RESTful APIs** to support users' CRUD operations. Utilized **JSON Web Token (JWT)** as an authentication and authorization middleware for users' information.
- Built a NoSQL cloud database with **MongoDB Atlas** to store users and restaurants data.

Regress Analysis Project: Suicide Rates Overview 1985 to 2016   Course Project: Mar 2021

- Inspected dataset by plotting Pearson Correlation matrix heatmap, histogram of numerical features and diagrams between the target variable and other variables by using **Python (NumPy, Pandas, Seaborn)**.
- Standardized the data and applied feature selection with F-score regression function from **Scikit-learn** to preprocess data

before training. Utilized multiple feature selection methods to identify the most significant features to reduced 50% training time while maintain the same level of prediction accuracy.

- Applied multiple machine learning algorithms and tunned hyper-parameters with Grid Search Cross-Validation to find best combination of parameters.