YUYU KO

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PROFILE

A passionate MS- Computer Science student with experience and extensive education in programming and web designing. Always responsive and enthusiasm for software development. Great Java programming skills, web designing and database management. Currently seeking the summer software engineer internship and keep self-learning the new skills.

EDUCATION

Syracuse University   **USA**

Master of Science in Computer Science   GPA: 3.4/4.0   **Aug. 2018 - Current**

- Coursework: Design & Analysis of Algorithms, Computer Architecture, Structured Programming.

Chung Yuan Christian University   **Taiwan**

Bachelor of Business Administration: Information Management   GPA: 3.37/4.0   **Sep. 2012 - Jun. 2016**

- Coursework: Java Programming Language, Objected-Oriented Programming, Algorithms.

Teacher's Educational Program: Digital Music Program   **Sep. 2012 - Jun. 2016**

PROFESSIONAL SKILLS

- Programming Language: Java, Python, C++, JavaScript.
- Web Design: HTML5, CSS, Bootstrap, NodeJS, React, Express.js, Vue.js.
- Database, server and tools: MS SQL, Microsoft Access, PostgreSQL, NPM, Yarn.
- Data Analytics and Visualization: R, Machine Learning, Tableau, Excel, Python.

PROJECTS

E-Commerce Clothing Website   (React, Redux, Firebase, yarn, Stripe API)   **Dec. 2019 - Feb. 2020**

- Set up an E-Commerce website by implementing the react, **Firebase** and **stripe** payment API.
- Designed and built from stretch by using **CSS**, **HTML**, **React** and keep improving for the backend, server and optimize the efficiency.

SmartBrain – Face Recognition Application (React, Node.js, PostgreSQL..)   **Oct. 2019 - Dec. 2019**

- Used **React**, **Node.js**, **Express.js** to build a full-stack website that covered server, backend and frontend.
- Implemented face recognition API to fetch the URL link and save the usage results by **PostgreSQL** DB.

Airline Customer Satisfaction Evaluation (R, Machine Learning)   **Aug. 2018 - Dec.2018**

- Used **R** to do multiple regression, decision tree, association rules to find significant variables and give some actionable insight to improve customers' satisfaction.
- Implemented **machine learning** to create a prediction model of 83% accuracy rates and SVM; accomplished 70% accuracy.

WORK EXPERIENCE

Volunteer Faculty Assistant - Text Mining on Interviews of Nanjing Massacre Survivors   **USA**

Syracuse University   **Aug. 2018 – Jan. 2019**

- Data Collection - Collect English interview contents from USC Libraries and Chinese interview contents from Nanjing University and check the accuracy.
- Working on the analysis of interviewees' sentiment changes and topic developments in different time periods, finding the reasons behind the interview materials.