TONY WANG

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EDUCATION

University of California, Irvine   Irvine, CA
B.S. Information and Computer Science(ICS)   June 2020
Relevant Courses: Software Development, Project in Database and Web Applications, Computer Network

EXPERIENCE

Ardent Labs   Irvine, CA
Software Development Intern   Oct 2018 - Present
- Developed a web application for student volunteers in Irvine area to schedule their volunteer events, join different volunteer organizations, and check their volunteer progresses.
- Used **MongoDB** to store and query data and implemented the back-end with **JavaScript** and **Express.js**(framework**)**.
- Used **JavaScript** and **React.js** to implement application frontend, and other UI framework like **antd** for the web UI.
- Provided the opportunities for all students in Orange County to manage their volunteer events.

Baidu Inc   Shenzhen, China
Web Front-end developer   July 2017 – Aug 2017
- Designed and implemented the communication platform used inside Baidu with **JavaScript**.
- **Accelerated** the process of development by communicating with each teammate frequently.
- Gained web-development, version control(git) and teamwork experience in large software company.

PROJECTS

Movie Zone   Mar 2019 – June 2019
- **Managed** and implemented a Movie website for user to browse and buy the movies.
- Designed and implemented 4 databases with **microservices** and **MYSQL**, which containing 100,000+ movies' data.
- Connected the front-end and back-end using **Ajax** and **RESTful API** as the interface.
- Used **JavaScript** to implement the website's front-end(**UI**) with **jQuery** and deployed the server on Linux VM.
- Improved the **UX** by increasing the throughput of back-end with **API-Gateway** and **multi-threading** in **Java**.
- Supported different kinds of key word for searching movies(title, genre, actors, rating…) and paying with **PayPal**.

Predicting Year of Song   Dec 2018 – Mar 2019
- Predicted year of songs with given attributes(timbre) of the songs with at most 20% error rate .
- Used technique: Principal Component Analysis, Linear Regression, Support Vector Machine, Neural Network(NN).

Peer Genius   Jan 2019 – Aug 2019
- A web application to schedule teaching volunteer activities for students in Orange County.
- Implemented the back-end with **JavaScript**, **Express.js**, **Sequilize** to enable the system to schedule between the request of student and an online guru(tutor) and communication between users by **Socket.io**.
- Implemented the front-end with **JavaScript**, **React.js**, **Redux, Webpack** and **Material-UI**.

SKILLS

- Programming Language: Java(proficient), JavaScript, C++, C, Python
- Tools & Frameworks: React.js, MYSQL, MongoDB, Node.js, Express.js, docker, microservice, Git, jQuery