

TONY WANG

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EDUCATION

University of California, Irvine

B.S. Information and Computer Science(ICS)

Relevant Courses: Software Development, Project in Database and Web Applications, Computer Network

Irvine, CA

June 2020

EXPERIENCE

Ardent Labs

Software Development Intern

Irvine, CA

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

Web Front-end developer

Shenzhen, China

July 2017 – Aug 2017

- Designed and implemented a communication platform to be used inside Baidu. Inc among employees.
- Coded in **JavaScript** with a team of 3 and gained the experience on project teamwork.

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 different way to analyze the dataset such as Principal Component Analysis(PCA), T-distributed stochastic neighbor embedding(T-sne), Linear Regression, Support Vector Machine(SVM), Neural Network(NN).

Peer Genius

- A web application to schedule teaching volunteer activities for students in Orange County.
- Implemented the back-end with **JavaScript**, **Express.js**, **Sequelize** 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