CHI LIN(Benny)

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Portfolio: chi-lin.com
GitHub: bennylin77

Full-stack Developer with a passion for Human Computer Interaction

EDUCATION

The University of Texas at Austin, USA　　Present
Master of Science, Information Studies
Specialization: Human Computer Interaction, Data Processing

National Chiao Tung University, Taiwan　　Jun. 2016
Master of Science, Electrical And Control Engineering
Specialization: Usability, Web Technology

National Chiao Tung University, Taiwan　　Jun. 2012
Bachelor of Science, Electrical And Computer Engineering
Department ranking #43 in the world *(QS Rankings 2017)*

EXPERIENCE

Computer Vision Research Assistant　　Sep. 2017 - Present
The University of Texas at Austin, USA
Conducted by Professor Danna Gurari. Building a spell checking tool with Python, visualizing data with d3.js and analyzing data to help Prof. Gurari to publish a paper on the premier computer vision conference, CVPR.

Founder, Full-stack Developer　　Nov. 2014 - Present
Ren Studio, Taiwan
Provide software solutions for different types of clients, including IT companies, household appliance companies and school foundations. Built and designed more than 15 management systems, official websites, donation websites and online application system. Improved clients' workflow with online applications to increase efficiency.

Software Engineer - contract　　May. 2017 - Aug. 2017
Upark Co., Ltd, Taiwan
http://www.upark.tw
Developed a node.js testing tool that can spawn thousands of node processes for load testing of cloud servers. Combined multiple Digital Signal Processing methods to detect whether cars are on parking spaces or not.

Co-founder, Technology Partner　　Jan. 2015 - Jan. 2016
SmallFarmer Inc., Taiwan
http://www.smallfarmer01.com
Organized content and designed user-flow for a crops-trading web application. Programmed, deployed and launched Ruby on Rails web application. Coordinated with third-party payment, SMS and logistics API providers. Provided API for Android app. Received $56,000 startup funding by Taipei City Government.

Web Technology Research Assistant　　Jun. 2012 - Jun. 2014
Real-Time Embedded System Lab, Taiwan
Modified data-mining algorithm FP-Growth to detect the usability of websites. Designed and built the front-end user interface of an IaaS called HVMA (HTML5-based Virtual Machine Access).

PROJECTS

Chi Lin Website　　Summer 2017
site: *http://www.chi-lin.com* **source:** *https://github.com/bennylin77/Portfolio*
The backend technology of this site are **Express** and **Mogodb**. Used **Webpack** to bundle all the resource of the website. Combined **Webpack Hot Module Replacement** and **React-hot-loader** for the development mode. In frontend, used **Redux** to control whole the data flow, also used **Promise** to handle asynchronous operations such as calling **Fetch** function to get data from backend server. Due to being a single website, used **React Router** to handle routes of frontend. To edit articles easily, integrated **Draft.js**. Using some **ES6** standard such as Arrow functions, Modules and Promises.
For more details, please refer to http://www.chi-lin.com/project or http://www.chi-lin.com/article

SKILLS

Programming Languages
JavaScript,
Ruby,
PHP,
Python,
CSS, HTML,
Java, C, C++

Web Technology
Node.js,
React with Redux,
Ruby on Rails,
Bootstrap,
Laravel,
Gulp, Webpack,
Express

Database
MySQL,
MongoDB

Operation Systems
Linux,
MacOS

Tools
Photoshop,
Illustrator

LANGUAGES

English
Mandarin Chinese