

Terry (Yen-Hsuan) Chen

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TECHNICAL SKILLS

- **Languages:** JavaScript ES6, Python, Ruby, HTML5/CSS3, JSS, SCSS, Java, Typescript, PHP, SQL.
- **Frameworks:** React.js, Angular, React-Redux, React-MobX, Babel, Webpack, Ruby on Rails, Express.js, Socket.io.
- **Platforms & Tools:** Node.js, Redis, MongoDB, PostgreSQL, RabbitMQ, Apache, NginX, Docker, Chrome DevTools, Git, AWS.

WORK EXPERIENCE

Software Engineer, ForUsAll, San Francisco *Aug. 2018 – Present*

- Developed 401k HR management dashboard and user application based on **React.js**, **React-redux**, **SASS**, **PostCSS**, **CSS Module**, **Webpack**, **Babel**, **Ruby on Rails** and **PostgreSQL**.
- Built SEO friendly corporate website using **JavaScript ES6**, **Babel**, **Webpack**, **SCSS**, **PostCSS**, **HTML5**, **jQuery** and **Jekyll**, and integrated marketing lead source tracking/analysis using Market, HubSpot, and Google Analysis API.
- Developed responsive email templates on different Platforms (Mandrill, Mailchimp, Marketo, and PostMark) with design team. Built landing website for client email communication, and launched “You Got Paid” email notification projects which increases clients’ 401k participating rate by **5% - 10%**.
- Developed web scraping tools using Selenium/Watir WebDriver, and built payroll/recordkeeper report parsers on Ruby on Rails.

Software Engineer Intern, Jibao *Jun. 2017 – Jul. 2017*

- Developed education-learning-card generator service that integrates Google Knowledge API, Pixabay Image API, and Wikipedia API by using **React.js**, **React-Redux**, **Node.js**, **Keystone.js** and **AWS**.
- Implemented web notification push system supporting real-time delivery of messages to users by using **Web socket**, **polling Ajax**, **RESTful API**, **Node.js** and **MongoDB**.

Research Member, Brain Research Center, National Chiao Tung University *Jun. 2010 – Aug. 2013*

- Collaborated with U.S. Army Research Lab to developed real-time drowsy driver monitoring and prevention system detecting drowsy drivers, using wireless wearable electroencephalogram (EEG) devices that integrate with **Android** platform.
- Designed virtual reality experimental environments, acquired EEG data, and implemented drowsiness estimation system by using **SVM** learning models with high prediction accuracy (~93%).
- Published research article in IEEE Transactions on Biomedical Circuits and Systems.

EDUCATION

University of Southern California, Los Angeles, CA *Aug. 2016 – June. 2018*

M.S. in Computer Science (GPA: 3.7/4.0)

Courses: Web Technology, Database, Computer Network, Algorithm, Java, Artificial Intelligence and Mobile Game Design, OS.

National Chiao Tung University (NCTU), Hsin-Chiu, Taiwan

M.S. in Electrical Control Engineering (GPA: 4.3/4.3 with Honors) *Sep. 2011 – Jun. 2013*

B.S. in Electronic and Computer Engineering (GPA: 3.93/4.3 with Honors) *Sep. 2007 – Jun. 2011*

PERSONAL PROJECTS

Interview CodePad *Apr. 2018 – Jun. 2018*

- Built web-based collaborative coding system on **AWS**, which allows users to create/join private coding room, to execute **Java/C++/Python** codes online, and to edit codes simultaneously.
- Implemented client-side web application using **React.js**, **React-MobX**, **React-Route**, **JSS** and **Webpack**.
- Built source code executor which compile and execute user’s code. (**Docker**, **Python-Flask Web Server**, **NginX**).
- Designed **RESTful API** to transmit results of compiled user codes between client apps and **Node.js** server based on **Express.js**.

Collaborative Docs *July. 2017 – Nov. 2017*

- Built single page application with **Angular** and **Bootstrap**, which supports users to create documents and work together.
- Designed a chat panel allowing users to communicate in real-time (**Node.js**, **Express.js** and **Websocket**).
- Implemented collaborative document editor with **Quill.js** and **Socket.io** that support users to edit text, insert images, and embed online videos in documents.
- Built online document storage service by using **RESTful API**, **Node.js**, and **MongoDB**, and deployed the project on **AWS EC2**.

Youtube Repeat Button *Apr. 2017 – Aug. 2018*

- Built a chrome extension supporting loop play function on Youtube. (**Vanilla Javascript ES6**)
- Over **21,000 daily users** | **55 reviews** | **4.8/5 ratings** in Chrome app store.

Tweets Search

- Built web application which provides tweets searching based on one or more hashtags, and supports tweets display and sort metrics (**React.js**, **React-MobX**, **SASS**, **Babel**, **ESLint**, and **Webpack**).
- Implemented RESTful API to query tweets based on **Node.js**, **Express.js** and **Tweeter API**.