

Jingzhe Sun

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OBJECTIVE: **Software Engineer -- Web development**

EDUCATION:

University of California San Diego, La Jolla, CA, USA

Graduation: December 2017

Master of Science of Electrical and Computer Engineering in Intelligence System, Robotics and control

University of Dayton, Dayton, OH, USA

Graduation: May 2016

Bachelor of Science of Electronic and Computer Engineering Technology

Cumulative GPA 3.78/4.0 with Major GPA 3.95/4.0

COMPETENCIES:

- Programing languages: Python, JavaScript, Java
- Framwork & modules: Nodejs+Express4, React, React Router, MongoDB, Webpack, Bootstrap, jQuery
- Other technical skills: RESTful routing, git, matlab, Spark, Machine Learning
- The Richard R. Hazen Award of Excellence for the Outstanding Graduate of the Electronic Engineering
- Critical Thinking, Research Ability, Integrity, Innovation, Teamwork

COURSE WORK:

- Probabilistic Reasoning and Learning, Machine Learning Theory, Computer Architecture, OS etc.
- Coursera: Algorithmic Toolbox, Data Structures, Algorithms on Graph. FreeCodeCamp

PROJECT & WORK EXPERIENCE:

Image sharing website <https://fcc-pinter.herokuapp.com>

September 2017

- Implemented image sharing website that allowing viewing as guest or collecting, uploading after registration.
- Front-end designed with **React & React Router4**, waterfall flow by **bricks.js**.
- Used **axios** for front-back communication. **Nodejs+Express4** are used as back-end framework. **passport-local** for local authentication with **redis** storing session.
- **Mongoose** to connect with database and **webpack** for packing modules.

Voting Application <https://fcc-vote-appjs.herokuapp.com/>

August 2017

- Allow voting public polls or setting up own polls after logging in with twitter account.
- Utilized React, Bootstrap, jQuery and D3pie for front-end illustration, Nodejs+Express as back-end services, **passport-twitter OAuth** as fast authentication method.
- Mongoose is to connect MongoDB, webpack provides packing methods and JSX parser.

Google Chrome extension TritonAssistant

April 2017

- Helped UCSD students automatically fetching personal schedule and unread messages
- Applied Ajax request and regular expression operation for fetching information
- Involved API for getting weather information with JQuery DOM manipulation

Employed in ScopeSource, Beijing (China)

Summer 2016

- Designed and built Human-computer interaction props (eg: weapons, torches, mechanism)
- Worked on Arduino and ESP8266 WIFI module that sending signal to host sever via router.