

Yushi Zhang

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Skills

IT:

Front-end: React.js, Redux, Redux-Saga, Vue.js, Angular, Html, Pug(Jade), CSS, Scss, Sass, Less, JavaScript, jQuery, TypeScript, C#

Back-end:

- Node.js, mongoosejs, MongoDB, RESTful API, expressjs, SQL, PHP
- Mongo Compass, Postman, Swagger UI

Framework: KeystoneJS, Laravel

Machine learning:

- text mining, simple NLP methods (trigger terms)
- Spyder, Jupyter notebook, Matlab, Weka, TensorFlow

Language: JAVA, Python

UI/UX Design:

- Bootstrap, Materialize, ElementUI, semantic-ui, pro.ant.design
- Figma, Sketch, Zeplin, Photoshop, Adobe Illustration

SEO: Moz

Cloud platform: heroku, aws, MongoDB Atlas

Project Management:

- Agile, Scrum, Git
- Github, Jira, Bitbucket

Other: Google Map API, Leaflet

Biomedicine (Neuroscience):

Cognitive Science:

- MMSE and MOCA testing;
- Cognitive test: Attention Network Task, Elevator counting task, Number Stroop, Raven's Advanced Progressive Matrices

Biochemistry:

- Protein purification
- Germiculture (*E.coli*)
- Plasmid Extraction

Software:

- Graphpad Prism
- E-prime: E-merge
- SPSS

Education

2017.2-2018.12

University of Queensland (Australia) Master of Information Technology

2015.9-2016.9

University of Edinburgh (UK) MSc by Research in Integrative Neuroscience

Work Experience

JR Academy

Full Stack developer

2018.4-present

Projects:

1. The official site: Full Stack

<https://jiangren.com.au>

Skills: React.js, Redux, Node.js, Pug(Jade), JavaScript, mongoosejs, Scss, KeystoneJs, Bootstrap, jQuery, RESTful API

Project Management: Jira, bitbucket

- Build pages to show the information of data
- Responsive design: mobile friendly design, use flexbox
- Add API for Workshop
- Add New model and API for Workshop Orders
- Manage the application form
- Fix bugs and update information for the official website
- SEO management by use Moz

2. The dashboard: Full Stack

<https://learn.jiangren.com.au>

Skills: React.js, Redux-Saga, Node.js, JavaScript, mongoosejs, Less, KeystoneJs, Bootstrap, pro.ant.design, RESTful API

Project Management: Jira, bitbucket

- Manage the Navigation bar content
- Build the Mentor List page, add search function and pagination for mentors
- Build the Mentor detail page
- Build the Service detail page
- Add API for services
- Responsive Design

3. JR Talent: Responsive Design

<http://jrtalent.com.au/>

Skill: Bootstrap

4. eFlight: Responsive Design

<http://eflight.co/>

Skills: Vue.js, ElementUI

Production5 etranslate

Web Designer

2017.11-2018.4

Project:

Razzledazzle:

<https://www.razzledazzle.company/>

Tools: Wix

WIS-AN Technology Development Co., Ltd

Manager Assistant

2016.9-2017.2

Tools: Adobe Illustration, Photoshop, InDesign, Adobe pr cc, Adobe Effect, CorelDRAW

- The company mainly focus on the medical apparatus with RFID technology.
- modify working paper
- communicate with technicians and introduce the products to customers
- visit Hospitals to Investigate the medical environment.
- Public design for the company, e.g. brochures.

Projects:

Github: <https://github.com/yushizhang111>

Personal Website: <https://yushi-zhang-it-work.herokuapp.com/>

Machine Learning:

***Checking pathology results in an emergency department: An IT solution to support patient safety and increase efficiency
2018.2-2018.11***

***Researcher of the Australian e-Health Research Centre, CSIRO,
Brisbane, Queensland, Australia***

Skills: Text Mining

Language: Python

Tools: Spyder, Jupyter Notebook

- Improve the health records information system
- Develop the information technology tool to help identify the requirement of result test follow-up.
- Used text mining based on “trigger” algorithm to extract the antibiotic-related words from discharge summaries
- Did reconciliation with the pathology report.

Note: The paper “A decision support system for pathology test result reviews in an emergency department to support patient safety and increase efficiency” (Id=337) was accepted as Full Paper & Student Paper of MedInfo 2019. (co-author)

Web Development:

Queensland Government Climate Change 2018.7-2018.11

Scrum Master / Front-end developer

<https://paddle-qld-climate.herokuapp.com/>

Skills: Html, CSS, Javascript, Google Map API, Leaflet, D3.js, pdfmake

- Could Enter the location information to search the region
- Could Click on the map directly to search the region
- Download the pdf of climate information charts in that region

Aboriginal words learning system 2018.7-2018.11

Scrum Master / Programmer

<https://dream-time.herokuapp.com/>

Skills: Html, CSS, Javascript, Speech-to-Text API, swiper.js

- Link the sql-aboriginal-languages-words-lists API and speech-to text API
- Could Click the SVG file to show the related words explanation and audio example
- Add quiz and sliders

Cognitive Science:

Performance of bilingual in cognition task **2016.1-2016.8**

- Investigate whether different groups of bilinguals have the same advantages and disadvantages compared to monolinguals.
- Test: Attention Network Task, Elevator counting task, Number Stroop, Raven's Advanced Progressive Matrices
- Analyze data by SPSS