

# Dan Wang

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## About me

A passionate IT expert with M.S in Information Technology and 3 years' experience of web application development, offering outstanding ability to work with various programming languages and web frameworks, including Angular, Node.js, React, .NET, Vue.js, Java Spring, Ruby on rails, C++ and PHP.

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## Experience

### Full Stack Developer

#### JR Academy

Brisbane, Australia

Nov - 2019 - Now

Participate in the front-end web development & backend web development for the company's websites.

- Project Management: Jira, bitbucket
- Front-end development: CSS, Sass, Pug (Jade), JavaScript, React, Redux, Bootstrap, jQuery, Ant Design Pro
- Back-end development: Node.js, MongoDB, Mongoose, KeystoneJs, Rest API
- Project links:  
Official website (Chinese): [jiangren.com.au](http://jiangren.com.au)  
Official website (English): [jracademy.com.au](http://jracademy.com.au)  
Online learning system (LMS): [learn.jiangren.com.au](http://learn.jiangren.com.au)

### Web Developer

#### University of Queensland

Brisbane, Australia, course project

July -2019 - Nov-2019

Build an interactive gallery for displaying historical maps in State Library of Queensland, made from CSS, HTML, JavaScript and PHP. The features of the project include:

- Login/Register as a user
- Check all historical maps and modern maps, fetched from digitised map API and google map API.
- Play the interactive map flipping game and quiz.
- Search and leave a like

Project link: <https://deco7180-c02t08.uqcloud.net/index.php>

Map API: <https://www.data.qld.gov.au/dataset/digitised-maps/resource/22bd64b9-1c7b-4a30-9dff-cc86227632a8>

Build an online content management system (CMS) for staff seating and allocation, with React Redux, Redux Hook, Material-UI, NodeJS and MongoDB. The features of the project include:

- Add/remove a seat from the interactive map built from Leaflet.js
- Login as the admin
- Modify and change staff information

Description link: <https://s4305352-deco7180.uqcloud.net/deco7381/index.php>

Build a job recommendation system, with Apache Spark, PHP, MySQL, docker, Google cloud platform. The features of the project include:

- Job recommendation based on user's information with Apache Spark MLlib
- Project packaged with docker containers
- Deployed on Google Compute Engine

## Web Developer

### University of Queensland

Brisbane, Australia, course project

March -2019 - June-2019

Build an online food ordering system with PHP framework (CodeIgniter) with MVC design pattern. The features of the project include:

- Login/register system with the verification feature through e-mail.
- Data autoloading with Ajax
- Shopping cart with adding/removing items
- Inserting dishes and leave a comment

Project link: [https://s4305352-deco7180.ugcloud.net/food\\_ordering\\_MVC/index.php](https://s4305352-deco7180.ugcloud.net/food_ordering_MVC/index.php)

## Full Stack Developer

### JR Academy

Brisbane, Australia

December-2018 - March-2019

Build a staff leave management system using React, Node.js, MongoDB, Ant Design, Restful APIs with 3 other team members. The features of the project include:

- Staff apply for a leave
- Admin approve or reject the application
- Deployed on AWS.

Project link: <http://jr-eleave.s3-website-ap-southeast-2.amazonaws.com/>

## JAVA Developer

### University of Queensland

Brisbane, Australia, course project

July-2018 - November-2018

Take part in a team-based 4 player online battle arena (MOBA) game for the course DECO7280 in UQ, which is built using Java with Gradle managed by Gitlab with following technologies:

- version control, build systems
- continuous integration, test-driven development, mocks
- API design, code coverage and analysis tools

## Junior Software Engineer

### Guangzhou Spark Technology

Guangzhou, China

Sept-2016 - Dec-2017

Work as a junior software engineer to help the company develop its e-commerce website for automobile light products.

Responsibilities:

- Maintenance of the Java code base of company's e-commerce website
- Update of content stored in the database(MySQL)
- Deployment of code through all environments to production
- Work with agile methodologies (scrum)

Technologies/Frameworks used:

- Java, Spring Boot, JSP, Servlet, REST, JavaScript, HTML, CSS, JUnit, Git, JSON, Jira, MySQL

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### Skills

**Web development:** JavaScript (ES6), React.js, Node.js, .Net, Ruby on rails, React Native, Vue.js, html5, CSS, SASS, angular, express, jQuery, Webpack, RESTful API, Bootstrap 4, Ajax, GraphQL, Swagger, TypeScript, Spring, JSP, Java Servlet.

**Programming language:** python, java, C++, JavaScript, Scala, PHP (Laravel, CodeIgniter, Symfony), C#, Ruby.

**Database Implantation:** Database design, RDBMS, MySQL, Oracle, MongoDB, Cassandra, Firebase.

**Cloud:** AWS (EC2, RDS, EBS), Google Cloud (Compute engine, App engine, Kubernetes engine), Docker, Heroku.

**DevOps:** git, bitbucket, Jenkins, agile (Jira, Kanban, Scrum), test-driven development, design pattern.

**Operating Systems:** Linux, Mac OS, Windows.

**Other skills:** IELTS Band 8, PTE 89, Queensland's Open Driver License.

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## Education

### **Master of Information Technology**

**The University of Queensland**

St. Lucia, Queensland

2018-2019

GPA 6.3/7, Major: Information Technology

Core courses: Software engineer, Data structures, Algorithm, Web design and development, Cloud computing, Database design and development, Human Computer Interaction.

### **Bachelor of Science (Honours)**

**The Hong Kong Polytechnic**

**University**

Hong Kong

2013-2015

GPA 3.7/4.0, Major: Chemical Technology

Dean's Honors List 2013/2014 in Faculty of Applied Science and Textiles.

The 2nd Runner up in the 25th Hong Kong Chemistry Olympiad on "Chemistry and Aircraft Development"

### **Bachelor of Science**

**Sun Yat-sen University**

Guangzhou, China

2011-2013

GPA 3.8/4.0, Major: Chemistry

The Second Prize Scholarship 2011-2013

Guangzhou Celera Biology Genetic Engineering Scholarship 2012-2013

Rutech Scholarship 2011-2012

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Reference upon request

### **Lightman Wang**

CEO & Owner, JR Academy

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Lightman was my supervisor and instructed me while I performed my internship in JR academy from December 2018 to March 2019 and November 2019 to February 2020.