James Wang

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Working Experience

March. 2019 – Present	**Mobile Learning Unit - Royal Melbourne Hospital** Melbourne, VIC, Australia

Junior Web Developer (Casual)

- Use Salesforce for managing custom relationships and save data into Heroku Postgres SQL database.
- Use AWS S3 as Object Storage Service, React.js as frontend framework, Node.js/Express as Backend, Extract data through GraphQL from database to build a content builder system for a Learning Management System including coordinator view, student view and tutor view.
- Use Asana and TaskRay for Agile development.

Nov. 2018 – March. 2019	**Ubisoft Entertainment** Shanghai, China

Web Developer Intern

- Used Smarty as template engine combined with PHP and deploy with Apache web server for back-end development, Ruby for Database (MySQL) migration and table creation.
- Used VUE and jQuery to develop and optimize a Live Event Centralized BI Forecast System and a Segmented Monetization Core Operation System using MVVM architecture.
- Refactored the original jQuery and D3 code into structured code using VUE framework.

Dec. 2018 – Present	**Freelancer (*Outsourcing Specialist*)** Shanghai, China

Front-end developer

- Independently developed several outsourcing projects including and not limited to *Pernod Ricard China* employee compensation system, *KARL STORZ Endoscope* employee welfare system etc.
- Used Sass and Less as stylesheets, UI frameworks including Semantic and Element, considering device compatible and responsive design.
- Used Gulp for minifying resources and deploy through Nginx.

Dec. 2017 – Jun. 2018	**Hunan Wongxin Hi-Tech Co., Ltd** Changsha, Hunan, China

Junior Full-stack developer

- Independently responsible for building an automated continuous integration and deployment platform using Jenkins and docker containers, configured the production environment and wrote scripts for the company's newly purchased Linux servers.
- Assist front-end project team to develop and optimize the responsive layout of web pages using AngularJS and jQuery.
- Implemented multiple business logic interfaces on Spring Boot-based multi-tenant information management platform (MIS)
- Solved the issues that stem from the differences in environments between Production, QA, and Development.

Relevant Projects

| Apr. 2019 – May. 2019 | **Twitter Analytics Platform** | Melbourne, VIC, Australia |

- Established a web application to harvest Twitter data from cloud and implement analysis.
- Adopts CouchDB as DBMS and use SWIFT object storage service of OpenStack.
- Deploy automatically by Ansible and Docker.
- Won the *first prize* in course COMP90024 at University of Melbourne this year.

| Jun. 2018 – Oct. 2018 | **Online Shop** | Melbourne, VIC, Australia |

- Used AngularJS, jQuery and Bootstrap for front-end development.
- Use Java (Spring Boot) and Spring Security to develop the back-end interface.
- Use Spring Cloud Zuul proxy as API gateway for handling load balancing issues.
- Use Hibernate in persistence layer and Spring Data JPA in data access layer.
- Use MySQL as storage database, follow the first and second template.
- Use Jenkins to integrate docker's Java containers and Nginx containers to achieve continuous integration and automated deployment.
- Use Ubuntu EC2 with SSL certificate as a production environment.

| Sep. 2018 – Oct. 2018 | **Scrabble Game App** | Melbourne, VIC, Australia |

- Use C/S architecture.
- Use Maven as dependency management.
- Use JavaFX accompanied with CSS stylesheets as UI developing.
- Sockets of TCP / IP protocol are used to communicate, and multi-threading is used to implement multi-players to play the game.

| Feb. 2017.5 – Jun. 2017 | **Freescale Cup Smart Car Competition** | Central South University |

- Proficient in various algorithms and data structures.
- Implementation of smart car's erecting, speeding, and tracing with a combination of a K60 chip and a photoelectric camera using C++.

Education

| Jul. 2018. – Present | **The University of Melbourne** | Melbourne, VIC, Australia |

Master of Science (Computer Science)

| Sep. 2013 – Jul. 2017 | **Central South University** | Changsha, Hunan, China |

Bachelor of Automation (Electrical Engineering)