

Jiajin Zheng

Junior-level frontend developer

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Profile

- A Front-end developer with one year hands-on experience with multiple projects.
- Strong understanding in **React**, **Javascript**, **Sass**, **CSS** and **HTML** for web application development. Hold strong passion about following the SOLID design principles in writing better quality codes.
- Experience in creating **REST** web service using **Java** and **Spring Boot** Framework. Understand of the server site architecture and design pattern.
- Over 3 years of experience in tutoring and 1 year of experience in a start-up project within a cross-disciplinary setting.
- A fast learner with determination and inquisitive mindset.
- An effective team player with excellent oral and written communication skills.

Education

📅 2018 — 2019 The University of Melbourne

Master of Engineering (Biomedical)
Academic Achievement: Second Class Honour A

📅 2015 — 2017 The University of Melbourne

Bachelor of Biomedicine
Academic Achievement: Second Class Honour A
Recipient of 2016 Melbourne Global Scholars Award

Technical skills

- **UI Technologies & Programming languages:** HTML5, CSS3, Sass, JavaScript, Java, Python, C
- **Libraries & Frameworks:** React, Redux, Bootstrap, Material-UI, JQuery, Spring Boot
- **Web Services Technologies:** Axios, REST
- **Unit Testing Tools:** Junit, MockMvc, Mockito
- **Module Bundler:** Webpack
- **Database:** MySQL, MongoDB Atlas, H2 In-memory database
- **Messaging Brokers:** RabbitMQ
- **Version Control & Development Tools:** Agile, Scrum, TDD, git, Github flow

Relevance Experience

📅 May, 2020 — Present

School Management System

- Experienced in **Agile** development using **Scrum**. Used **Github flow** and maintaining source code on **Github**.
- Involved in Designing **MySQL** database and building **REST API** with **Spring Boot** framework.
- Experienced in writing unit tests with **Junit**, **MockMvc** & **Mockito** and using **H2** In-memory database.
- Experienced in implementing messaging server using **RabbitMQ**.
- Implemented **JWT** token to prevent unauthenticated and unauthorised user from accessing restricted routes.
- Designed **UI & React component** and **state** for the front-end of the application.
- Consumed **REST** for fetching **JSON** data from servers using **Axios** library, reusable codes were centrally managed.
- Refactored code for the compliance of code standard using **static code analysis** tool and better performance.

📅 Apr, 2020 — May, 2020

Weather Web Application Project

- Designed and built a **UI/UX** driven weather app using **React** and **Sass module**.
- Implemented modern interactive functionalities including searching, favourite location and historic weather information for a specific date using customised **React component**.
- Used state management tool **React Redux** to ensure maintainability.
- Sass modules were configured using **Webpack** as module bundler.
- Data was fetched as **JSON** via third party **REST API**, experienced in handling **Promise** in a readable way.

📅 Dec, 2019 — Mar, 2020

Personal Website Project

- Created a responsive single page personal website using **HTML/Sass/Javascript**.
- Added an interactive feature as background using lightweight library **Particles.js** and implemented smooth navigation using **Swiper.js**.
- Designed the website layout from scratch, used eye-pleasing colour palette and font and included an animated loading page to ensure user experience.
- Implemented a contact form with experience in Google Maps Embed API and reCAPTCHA API.
- Refactored naming convention using **BEM** to ensure readability and maintainability.

📅 Nov, 2019 — Dec, 2019

CSS Animated Effect

- Created highly reusable modern eye catching CSS effects such as carousel, parallax and 3D card flipping animation using pure HTML and CSS.

📅 Nov, 2019 — Dec, 2019

Single Page Games

- Created retro games such as Snake, Tetris and 2048 that can be run directly on browsers using Vanilla Javascript. Better mobile compatibility and performance were considered.

Responsive and Accessible Web Pages

- Created responsive web celebrity tribute page. Used semantic HTML tags to emphasise accessibility.
- Created demo product landing page using **Bootstrap**. Implemented Google analytics service for website traffic tracking.

Other Experience

📅 2017 — Present 📍 Dockland, Melbourne

Senior VCE Tutor

- Currently providing physics and math tutorial sessions for senior high school students as a part-time commitment. Involving in tailoring study plans for over 10 students individually on weakly basic as well as mentoring and advising students for any academic or course planning related concerns.
- Mentored over 50 students for the last 3 years of tutoring, majority of students commenced study in elite universities such as the University of Melbourne and Monash.
- Produced more than 100 content videos that were accessible online for students national-wide.

📅 Feb, 2019 — Dec, 2019 📍 University of Melbourne

BioDesign Innovative Start-up Project

- Involved in Identifying unmet needs in the biomedical field, evaluating the feasibility with business aspects.
- Endeavoured in launching a customer value-driven innovative biomedical device as a start-up with decent consideration in the product life cycle, business model and regulation.
- Constructed an MVP for demonstration and result in being one of the finalists for MedTech Got Talent 2019.

Internship

📅 Dec, 2018 — Feb, 2019 📍 University of Melbourne

Lab Assistance, CAREN Lab

- Assisted operation on the delicate CAREN system and managed subject's safety under a professional experimental protocol.

Volunteer Experience

📅 Mar, 2019 — May, 2019 📍 Phillip Island

Volunteer at Free 3D Printed Hand Workshop

- Helped designing an Arduino electronic prosthetic hand at a minimal cost and offer them for free.

Extracurricular Activities

📅 Aug, 2018 📍 Melbourne University

Guest Speaker

- Invited to present about "Healthcare graduate pathway" to the bachelor of Biomedicine cohort in the University of Melbourne..

Team Leader for Industrial Case Competition

- Recruited a cross disciplinary team for an industrial case competition that held in the University of Melbourne.
- Proposed a solution for repurposing a retired ExxonMobil off-shore oil rig platforms. Ceased in the semi-final round.

Languages

English	<div><div></div></div>
Mandarin Chinese	<div><div></div></div>
Cantonese	<div><div></div></div>
Japanese	<div><div></div></div>

References Available Upon Request