







# Qiao Wen, Loh

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## SKILLS

HTML5	★★★★★
CSS3	★★★★★
SCSS/SASS	★★★★
JavaScript (ES6)	★★★★★
React	★★★★★
Redux	★★★★
Webpack	★★★★
PHP	★★
D3.js	★★★★
Node.js	★★★
Express	★★★
MongoDB	★★★
GraphQL	★★

## LANGUAGES

English  
Chinese  
Malay

## HOBBY

Graphic Design

## PROFESSIONAL SUMMARY

I am an aspiring front-end engineer who is passionate about building web applications that deliver excellent user experience. Nothing motivates me more than knowing that I am contributing to a product that makes a positive impact on the world.

## PROJECTS

### Full-stack application: A book reflection documenting app [reflection-io.herokuapp.com](https://reflection-io.herokuapp.com)

- An application prototype that allows users to search book from Google Book database and add their reflections on the book. Users can also modify and delete their reflection entries.
- Built with React, Node.js, Express and MongoDB on a RESTful API.
- Increased reusability of components by abstracting application logic into higher order components.

### Portfolio site and coursework

[qwen-3108.github.io/my-portfolio](https://qwen-3108.github.io/my-portfolio)

- A fully responsive site to showcase mini React projects from coursework.
- Minimized the use of external libraries to keep the site lightweight by harnessing native CSS features for layouts and animations whenever possible.

## VOLUNTEER EXPERIENCES

### Engineering Good Student Chapter's Technology Development Programme 4.0

*Participant, Jan 2018 - May 2018*

- Interviewed wheelchair users to identify a design problem under the coordination of Disabled People Association (DPA).
- Designed a seat cushion to alleviate the pressure under a wheelchair user to prevent the development of pressure sores.

### Overseas Community Involvement Programme

*Programmer, Sep 2015 - Jul 2016*

- Planned and conducted an art workshop for 20 students at a primary school in the rural area of Pangasinan, Philippines and helped in the construction of the school library.

## OTHERS

### NTU Materials Science and Engineering Alumni Association

*Secretariat, Aug 2017 - Jul 2018*

- Engaged alumni by sending event invitations through email and Facebook event page.
- Managed alumni participation which involved consolidating event attendees list and taking attendance on the event day.

## CERTIFICATES

- [Front End Libraries](#), *Apr 2020*  
Issuer: freeCodeCamp.org  
Developer certification, representing approximately 300 hours of coursework in libraries including jQuery, Bootstrap, SASS, React and Redux.
- [JavaScript Algorithm and Data Structures](#), *Mar 2020*  
Issuer: freeCodeCamp.org  
Developer certification, representing approximately 300 hours of coursework in coding plain JavaScript.

## BACKGROUND

Work	<b>Research Engineer</b> , <i>Jul 2018 – Dec 2019</i>
Experience	National University of Singapore, Singapore
Education	<b>Bachelor of Engineering (Honours)</b> , <i>2018</i>
	Nanyang Technological University, Singapore