

Toh Hong Xiang | Full-stack Web Developer

[Email](#) | [Portfolio](#) | [Github](#) | [LinkedIn](#)

Profile

A full-stack web developer, well versed with multiple projects in ReactJS/Node. Experienced in using Git and Bootstrap to get projects up and running quickly, while able to get backend REST APIs running with Node/Express. Familiar with different backend databases such as PostgreSQL and MongoDB. Familiar with concepts such as Model View Controller and Agile methodologies. Knows how to create eye-catching yet intuitive user interfaces.

Currently looking for a position to expand my skillset and challenge my skills.

Technical Skills

Frontend

HTML
CSS
SCSS
Javascript
Bootstrap
React

Backend

Node
Express
MongoDB
Flask
PostgreSQL

Miscellaneous

Git
Adobe Photoshop
Heroku
Python
Figma

Projects/Experience

1. Stumblr Social Media Website [[CODE](#), [DEMO](#)]
 - Full-stack social media website using PostgreSQL, Express, React and Node
 - Allows simple CRUD (Create/Read/Update/Delete) operations
 - Features user authentication, the ability to follow users, add/edit/search posts
 - Layout built with Bootstrap
2. Gallereddit – Reddit Gallery Visualiser [[CODE](#), [DEMO](#)]
 - A gallery viewer for Reddit
 - Uses Reddit and Imgur APIs to display images
 - Uses OAuth2 for authentication for reddit API
3. MERN Stack Menu Manager website [[CODE](#), [DEMO](#)]
 - A web application to manage/edit menus for restaurants/cookhouses built with the MERN stack for the SAF.
 - Performed market analysis to pinpoint problems to tackle
 - Implemented good user experience concepts
 - Supports CRUD (Create/Read/Update/Delete) operations and user authentication
 - Learned questions to ask when making web applications for other people.
 - Reduced man-hours required and reduced errors made to maintain large complicated menus.
4. Haze Monitoring Website [[CODE](#), [DEMO](#)]
 - Web Application to monitor PSI levels and other air quality readings in Singapore
 - Data pulled from Singapore's PSI API provided under the Singapore Open Data Licence
5. Sorting Algorithms Visualisation [[CODE](#), [DEMO](#)]
 - Visualisation of a few popular sorting algorithms such as Insertion, Merge and Quick sort
 - Uses pure ES6 javascript
 - Able to change array size to be sorted, and the delay between each action

6. Personal Gatsby Blog [[CODE](#), [DEMO](#)]
 - Small blog created with Gatsby
 - Uses SCSS modules
 - Learnt about how to create light/dark modes
7. Flask Gallery Viewer [[CODE](#), [DEMO](#)]
 - A web application to view directories of images/albums
 - Built using Flask and Jinja2
 - Uses lazy-loading for images to lower server load
 - available
8. Automating resource management with UiPath [CODE and DEMO unavailable]
 - Led a small group of 3 to create a program to automate resource management processes within SAF.
 - Conducted analysis to determine which part of resource management can be automated
 - Learned how to manage expectations and work within deadlines
 - Learned how to handle unfamiliar technologies through reading documentation
 - Able to improve processes by reducing man-hours required by 20%

Professional Qualifications

1. 2019 - Attained Diploma of Completion for RPA Developer Foundation Training for UiPath.