THE UNIVERSITY OF BRITISH COLUMBIA
a place of mind

Michael Suriawan

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Portfolio: **www.michaelsuriawan.tech**

Personal Profile

I am a self-taught software developer with a deep passion towards web development. I have been programming for three years. After building several dynamic projects, I realized that I am enjoying programming even more today. The experience of designing web components that could affect user-interactions has always been exhilarating for me. Currently, **I am looking for an 8 month technical-internship position starting in January 2020**.

Technical Skills

Front End	Back End / Tooling	Database / Others
• React.js / Hooks	• Python3	• Firebase
• Redux	• Django	• MongoDB
• React Native	• Node.js	• SQLite
• JavaScript ES6 / ES5	• Git	• Java
• HTML5	• NPM	• C
• CSS / Flexbox & Grid	• Webpack / Babel	• MATLAB
• SASS	• Jest / Enzyme	• Next.js
• Bootstrap 4	• Axios	• Postman

Technical Projects

*** The link and GitHub Repo for these projects are accessible under my Portfolio ***

React Social Media
<Description>
• <text>
• <text>
❖ **Environment:** React, Hooks, Redux, Axios, Postman, Next.js, Firebase, Node, NPM

The Burger Maker

A web application that was designed to allow users to create and order their favourite burger. Users could then view their orders when they are logged in to the application. This web application is compatible for both desktop and mobile screen sizes.

• Built mainly with React and Redux, while utilizing Firebase as the backend service.
• Designed various class-based and function-based components for the application.
• Implemented React-Router-DOM to render different components and containers to the single page application.
• Optimized Axios to exchange both requests and responses to and from Firebase.
• Utilized Middleware, Action Creators and Reducers to manage the application's global state via Redux.
• Authenticating user form request via token generated by Firebase.
• Implemented Jest and Enzyme for automatic testing well before deploying the application.
❖ **Environment:** React, Hooks, Redux, Axios, Firebase, Jest, Enzyme, Node, NPM

Fake Reddit

Just like Reddit; user could sign up, create a new post in a group, join multiple groups and create a new group in this website.

- Utilized both Python and Django as a web framework in a multi-page website project.
- Designed template models for user profile, groups and posts.
- Planned out URL routing for different pages that are being fetched.
- Utilized template inheritance to have one base HTML and injecting them across all other webpages with template tagging. Each page would then have a similar feel to it.
- Made use of both function and class-based views to display various webpages.
- Implemented Django's built-in form validation for the sign-up page.
- Deployed the website with Git and Pythonanywhere.com
- ❖ **Environment:** HTML5, CSS, Bootstrap, JavaScript, Python, Django, Git, Pythonanywhere.com

Forkify

A recipe search engine that allows user to view ingredients, serving time and recipe. They have the option to select the number of servings required. They could then add these ingredients to their shopping list. User also has the option to add different recipes into the "liked" section.

- Planned the project in two parts: the Internal Module (*Calculations and array handling*) and the UI module (*Injecting HTML into the base HTML file).*
- Utilized Axios to send and receive API request from www.food2fork.com.
- Used regular expressions to limit the recipe name being displayed.
- Outsourced an external package called 'Fractional' that rounds up the amount of ingredients used in the recipe.
- Applied JavaScript's event listener and event delegation to allow user to have a smooth experience when navigating around the webpage.
- Implemented JavaScript's built in function such as innerHTML, forEach, map to display the list of recipes.
- ❖ **Environment:** HTML5, CSS, JavaScript, Babel, Webpack, Axios, Json, Node, NPM, Food2fork.com

Education

The University of British Columbia: Bachelor of Applied Science – Mechanical Engineering Expected May 2021

Udemy Web Developer Courses:

- [Python and Django Full Stack Developer](#) by Jose Portilla…………………………………………..([Certificate](#))

- [The Complete JavaScript Course 2019](#) by Jonas Schmedtmann………………………………..([Certificate](#))

- [Advanced CSS and SASS Bootcamp](#) by Jonas Schmedtmann…………………………………..(Certificate)

- [JS React, The Complete Guide](#) by Maximilian Schwarzmuller…………………………………(Certificate)

- [JavaScript Algorithms and Data Structures Masterclass](#) by Colt Steele ………………………..(Certificate)

Activity & Awards

UBC Launch Pad – Student-Run Software Engineering Team: Team Member
2019 – Present

The University of British Columbia: Faculty of Applied Science – 2018 Winter Session
2018 Dean's Honour List

Others: Travelling, Basketball and a Technology Enthusiast !