

# Jonathan Wong Leong Shan

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Puchong, Selangor



A motivated and passionate, penultimate year Software Engineering undergraduate with the ability to equip new skills swiftly that is looking to sharpen skills and grow professionally as a Front-End Web Developer in real-world industries to prepare for the workforce in the near future. Extremely proactive when collaborating in a team to brainstorm creative and innovative solutions which encourage the scaling of businesses. Currently searching for Front End Development internship placements of 12 weeks in Malaysia between 18th November 2022 and 27th February 2023.

## EDUCATION

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### Monash University Malaysia

Bachelor of Software Engineering (Honours) - Year 3

Bandar Sunway, Selangor

Expected completion March 2024

- Relevant Coursework:
  - Engineering Mobile Apps; Object-oriented Design and Implementation; Software Engineering Process and Management; Software Quality and Testing; Algorithms and Data Structures

### Sunway College

Western Australian Certificate of Education (WACE)

Bandar Sunway, Selangor

Completed December 2019

- ATAR (Australian Tertiary Admission Rank) 91.05
- Top 10% of students who sat for WACE (Western Australia Certificate of Education) in 2019

### SMK Pusat Bandar Puchong (1)

Sijil Pelajaran Malaysia (SPM)

Puchong, Selangor

Completed April 2018

- 8 A's (including English, Mathematics, Additional Mathematics, Physics) and 1 B
- Anugerah Kecemerlangan Akademik 2018 receiver

## PROJECTS

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### Product Viewer React Application (Individual)

September 2022

- Built a React single-page application which displays products, their price and description
- Coded a custom React hook that makes HTTP requests with the Axios library to access data from mock API containing products, product descriptions and images
- Implemented routing using React router to allow redirecting of a user to another page
- Gained practical experience with syntaxes and functions of the React library, HTML, Tailwind CSS as well as API calls via the Axios library
- Website Link: <https://reactjstutorial.vercel.app>
- GitHub Link: <https://bit.ly/3C4dbYD>

### Covid-19 Testing Registration System (FIT3077—Team-based)

April 2022

- Web application project completed for university unit FIT3077 (Software engineering: Architecture and design)
- This web application is designed to model an online Covid Testing registration system with a multi-user role-based login system with the features:
  - User login and authentication
  - Creating, updating and deleting bookings for covid testing via on-site booking, system booking or phone booking, storing data in the REST API
  - Admin dashboard for tracking real-time bookings and user information

- Collaborated with a team member in designing the conceptual class diagram and sequence diagram while applying SOLID and package-level principles
- Implemented subsystems which interact with REST API to update the information of all users and bookings
- Implemented the login subsystem, the on-site testing booking subsystem and the booking notification subsystem to notify healthcare workers of new creations of bookings using the Observer behavioural pattern with the Vaadin Flow framework in Java
- Gained practical knowledge of the usage of components provided by the Vaadin Flow framework, understand methods in interacting with REST API to keep information of users and bookings up-to-date and accessible

#### TechTa Web Application (FIT2101—Team-based)

August 2021

##### Front-end Developer

- Web application project completed for university unit FIT2101 (Software engineering process and management)
- This web application is designed for displaying real-time datasets based on a multi-layered **MVC (model-view-controller)** system architecture with the following features:
  - User sign-up, login, log out and authentication
  - Admin dashboard for tracking user information, number of unique users and visits
  - Coronavirus dashboard displaying Covid-19 statistics globally, by continent and by country
- As a front-end developer, collaborated with the front-end team in designing and implementing the landing page and user sign-up modal in a timely manner to display all necessary information and interactive elements for users and/or administrators
- Understand and implement the use of **scrum** in project management for delivering software prototype
- Gained practical knowledge of JavaScript, HTML, CSS and Bootstrap 4 in creating interactive interfaces with excellent user interface/user experience
- Website Link: <https://datatech-techta.herokuapp.com/>

## EXTRA-CURRICULAR

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#### “Hello Coders” Mentor Buddy Program, Monash University Malaysia

Bandar Sunway, Selangor

Mentor

July 2022 – August 2022

- Collaborated in organizing **weekly senior-junior networking sessions** for a team of 14 freshmen
- Organised both **physical and virtual activities** for the team once every 4 consecutive weeks

#### Shell Eco-Marathon Monash Malaysia, Monash University Malaysia

Bandar Sunway, Selangor

Assistant Head of the Intelligence Department

September 2021 – Present

- Record and maintain meeting minutes
- Coached new team members in the installation of **Linux Ubuntu Operating System**
- Studied and coached new team members in the installation and learning process of software programs and frameworks required in the Autonomous Programming Competition such as Robot Operating System (ROS), **GitHub** and Carla
- Researched path planning, perception, and control algorithms for an autonomous vehicle using the Robot Operating System (ROS) tested in a simulated environment.

## ADDITIONAL INFORMATION

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- **Technical Skills:** JavaScript (Basic), ReactJS (Basic), HTML (Basic), CSS (Basic), Python (Intermediate), Java (Intermediate), Oracle SQL (Intermediate), MongoDB (Basic), R (Basic), Tableau (Intermediate), Unix/Linux (Basic), Bootstrap 4 (Basic)
- **Languages:** Fluent in English, Bahasa Malaysia
- **Soft Skills:** Critical Thinking, Teamwork, Communication, Self Awareness, Problem-solving, Highly curious, Time management, Adaptive
- **Online Courses and Certificates:** Learning SQL Programming (LinkedIn Learning), Build your first React JS Application (UDEMY), Shopee Coding League (Shopee)