

## Jonathan Wong Leong Shan

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*Highly motivated and inspired to continuously sharpen my skills and grow professionally in data engineering and architecture. Always ready to develop my programming and soft skills in internship training and online courses, working with other like-minded individuals in inspiring the world on how influential strategically stored data is in developing accurate theories and putting into place more effective solutions for countless problems globally. Extremely keen on working in teams, collaborating and interacting with team members in brainstorming creative and innovative solutions, thus encouraging the birth of practical and profitable ideas.*

## EDUCATION

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### Sijil Pelajaran Malaysia (SPM), SMK Pusat Bandar Puchong (1)

PUCHONG, SELANGOR

April 2018

- Results: 2A+, 4A, 2A-, 1B+
- Awarded Anugerah Kecemerlangan Akademik 2018

### Western Australian Certificate of Education (WACE), Sunway College

BANDAR SUNWAY, SELANGOR

December 2019

- Results: 91.05
- Top 10% globally in WACE AUSMAT 2019

### Bachelor of Engineering (Software Engineering), Monash University Malaysia

BANDAR SUNWAY, SELANGOR

March 2024

- Results: CGPA - 3.125, WAM - 76.304

## EXTRA-CURRICULAR

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### Shell Eco Marathon (SEM) Team Monash Malaysia

Assistant Head of Intelligence Department

September 2021 – June 2022

- Record and maintain meeting minutes
- Assisted new team members in the installation of Linux Ubuntu Operating System
- Understand and assisted new team members in the installation and learning process of softwares and frameworks required in the Autonomous Programming Competition such as Robot Operating System (ROS), AirSim, and Autoware
- Assisted in developing path planning, perception, and control algorithms for an autonomous vehicle using the Robot Operating System (ROS) tested in a simulated environment.

## PROJECTS

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### TechTa Web Application, FIT2101 School Project

August 2021

Front-end Developer

- Web application project completed for university unit FIT2101 (Software engineering process and management)
- Tools used:
  - Front End : HTML, CSS, JS, jQuery, Bootstrap 4
  - Back End : Node.js with Express
  - User Database Management : MongoDB
  - Hosted Online : Heroku
- Understand and implement the use of scrum in project management for delivering software prototype
- 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, logout and authentication
  - Admin dashboard for tracking user information, number of unique users and visits
  - Coronavirus dashboard displaying Covid-19 statistics globally, by continents and by countries
- Website Link: <https://datatech-techta.herokuapp.com/>

## ADDITIONAL

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### LANGUAGES

: English (native), Malay (fluent), Mandarin (basic)

### TECHNICAL SKILLS

: Web Development – Front end: HTML, CSS, JavaScript, Bootstrap  
Database – SQL

Other Programming Languages – Python, Java, R, Bash

### OTHER EDUCATION

: Learning SQL Programming (LinkedIn Learning)