

# Jonathan Wong Leong Shan

Mobile No: (+60) 017-380-9738  
Email Address: [wongsljonathan01@gmail.com](mailto:wongsljonathan01@gmail.com) / [jonathanwongsls01@gmail.com](mailto:jonathanwongsls01@gmail.com)  
LinkedIn: <https://www.linkedin.com/in/jonathan-wong-123372130/>  
GitHub: <https://github.com/jonathanWongLS/Projects>  
Home Address: 35, Jalan Puteri 11/18, Bandar Puteri Puchong, 47100 Puchong, Selangor, Malaysia



Highly motivated and inspired to continuously sharpen my skills and grow professionally in data science and other data related skills such as machine learning and data engineering. 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 Big 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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**Monash University Malaysia** Bandar Sunway, Selangor  
Bachelor of Software Engineering (Honours) Expected March 2024

- Relevant Coursework:  
Introduction to Data Science; Modelling for Data Analytics; Databases; Data Visualization;  
Business Intelligence and Data Warehousing; Algorithms and Data Structures

**Sunway College** Bandar Sunway, Selangor  
Western Australian Certificate of Education (WACE) 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)** Puchong, Selangor  
Sijil Pelajaran Malaysia (SPM) 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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**Finance and Budgeting Tracker, Personal Project** June 2022

- **Personal project** completed during the semester break
- Built a **Linear Regression model** that **predicts maximum expenditure** of a user in the **next month or year** to help improve budgeting strategies using the **sklearn** library
- Performed **Exploratory Data Analysis (EDA)** to **detect and remove anomalies** in financial statement data for a more accurate model using the **Pandas** library
- [GitHub Link](#)

**Designing and Creating a Database using Oracle SQL Developer, FIT3171 School Project** April 2022

- **Group database** project completed for university unit FIT3171 (Databases)
- Collaborated with two teammates in designing a **conceptual model and UML diagram in SQL Developer** for a database which can support the activities of a cruise ship travel business
- [GitHub Link](#)

## Introduction to Machine Learning, FIT1043 School Project

April 2021

- **Data Science** project completed for university unit FIT1043 (Introduction to Data Science)
- Built a **Support Vector Machine supervised learning model** that **predicts essay scores** according to the essay's features
- Evaluated **performance metrics** of SVM model using **confusion matrix** and **Quadratic Weighted Kappa** to see any fine-tuning is needed to maximize the model's performance
- [GitHub Link](#)

## Data Wrangling and Descriptive Analysis, FIT1043 School Project

March 2021

- **Data Science** project completed for university unit FIT1043 (Introduction to Data Science)
- Performed **aggregation, wrangling and feature engineering** on data related to the Gross Domestic Product, population and vaccination details of each country using the **Pandas** library
- Performed **Exploratory Data Analysis (EDA)** by producing **statistical description** backed by **graphical visualization** using **Matplotlib** library
- [GitHub Link](#)

## EXTRA-CURRICULAR

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### "Hello Coders" Mentor Buddy Program, Monash University Malaysia

Bandar Sunway, Selangor

Mentor

July 2022 – August 2022

- Collaborated with another mentor in organizing **weekly senior-junior networking sessions** for a team of 14 freshmen
- Organized both **physical or virtual meetups** with 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), **Git** and **Carla**
- Researched on 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:** Python, SQL (Oracle), NoSQL (MongoDB), Java, R, Tableau, HTML, CSS, Unix/Linux
- **Languages:** Fluent in English, Bahasa Malaysia
- **Soft Skills:** Highly curious, Teamwork, Problem-solving, Time management, Critical Thinking, Adaptive
- **Online Courses and Certificates:** Learning SQL Programming (LinkedIn Learning)
- Possess valid driving license