

# Jackson Low

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## 👤 PROFILE

Recent graduate with Double First Class Honours in Business Analytics and Computer Science with a unique blend of programming and analytical skills. Eager to contribute my expertise to drive innovative solutions and make impactful contributions in a dynamic and collaborative work environment.

## 🎓 EDUCATION

### Nanyang Technological University

Aug 2019 – Jun 2023

*Bachelor of Business & Bachelor of Engineering (Computer Science)*

- Graduated with **double Highest Distinction (First Class Honours)**
- Cumulative GPA: 4.54/5 (Business) & 4.52/5 (Computer Science)

## 📁 PROJECTS

### Final Year Project - VR Rubik's Cube Simulator

Aug 2022 – Mar 2023

- **Conceptualised and designed** a Virtual Reality (VR) environment, **employing hand recognition technology** to simulate real-world Rubik's Cube manipulation.
- **Implemented intricate algorithms** within the **Unity framework** to replicate the cube-solving process, ensuring a realistic and immersive user experience.

### Itinerary Planner

Jan 2023 – May 2023

- **Led the development** of an advanced Itinerary Planner, utilizing **Gurobi Optimiser** to optimise travel schedules based on efficiency and user preferences.
- **Formulated** the business problem into an **optimisation model** and implemented backend logic and algorithm using **Python**, interfacing with the Gurobi API.
- **Integrated diverse APIs and datasets**, enriching the solution's functionality and providing comprehensive data insights.
- **Employed data visualisation tools** to present optimised itineraries in an easily understandable format, enhancing user engagement and decision-making.

## 🏢 PROFESSIONAL EXPERIENCE

### Agency for Integrated Care

May 2021 – Jul 2021

*IT Intern - IT, Innovation and Digitalisation Division*

- **Developed** an online training program in collaboration with external partners, enhancing proficiency in utilizing the company's technologies for both internal and external stakeholders.
- **Spearheaded automation** of the annual recertification process by creating personalised forms and automating email communications using **VBA**. Resulted in **significant time savings**, eliminating manual hours and **improving overall efficiency**.
- **Identified limitations** within existing systems and **recommended/implemented solutions**, contributing to the enhancement of internal processes and addressing operational inefficiencies.
- **Documented processes** to establish high standardization and conformity. Improved organisational knowledge retention and facilitated smoother transitions during staff changes.

## 🏠 EXTRACURRICULAR ACTIVITIES

### Quintsical Productions

Aug 2019 – Jun 2023

*Director/Chairperson*

- **Led a crew of over 40 members** in the execution of a production, including writing an original script and composing songs.
- **Coordinated** auditions, rehearsals, production timelines, and **liaised with external parties** for fundraising and securing a venue.

## 🧠 SKILLS

### Languages:

English (Native),  
Chinese (Native)

### Programming

**Languages:**  
Python, Java, Javascript,  
C#, R, SQL, MATLAB,  
VBA

### Technologies:

Pandas/Numpy/Scipy,  
mySQL/MongoDB,  
Git/SVN, Android  
Studio, Unity, ReactJS,  
RStudio, Tableau,  
Gurobi, Microsoft Office

### Soft Skills:

Adaptability,  
Collaboration,  
Communication,  
Continuous Learning,  
Creativity, Empathy,  
Leadership, Problem-  
Solving