

# Khoo Tim Wai

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## Work Experience

### **DATA ENGINEER | STRATEQ SYSTEMS (PETRONAS GROUP DIGITAL) | JUL 2021**

- Contracted to Petronas Group Digital to implement SAP data migration of Customer Master Data from SAP ECC6 to SAP S/4 HANA
- Monitoring and maintaining data pipeline batch jobs daily, providing support and resolving arising issues
- Designing, building and maintaining complex data pipelines using the ETL framework, with SAP Business Objects Data Services tool fulfilling business requirements
- Providing support to colleagues in building data pipelines
- Ad-hoc data analysis with SQL, prepared on Microsoft Excel

### **DATA PLATFORM EXECUTIVE | PETRONAS ICT | FEB 2019 – JUN 2021**

- Main projects include data migration of Vendor/Customer Master Data from SAP ECC6 to SAP S/4 HANA cloud, data cleansing for SAP Vendor/Material/Service Master Data
- Coordinated with functional consultants to gather business requirements from the users, as well as collaborated with SAP technical consultants to resolve arising issues during data migration/data cleansing
- Designing, building and maintaining complex data pipelines using the ETL framework, with SAP Business Objects Data Services tool according to business requirements
- Data focal between multiple ongoing projects to reconcile data, as well as to provide relevant parties an understanding of the current data, propose project timelines to ensure synchronisation is accurate, and that all stakeholders are aligned with current goals
- Defining and creating business rules for data migration/cleansing preparation in SAP Information Steward
- Providing ad-hoc data analysis with SQL, prepared on Microsoft Excel

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## Projects & Experience

### **WEATHER API DATA PIPELINE AND DASHBOARD | PERSONAL PROJECT | 2021**

- Developed a data pipeline that ingests weather data from OpenWeatherMap API into Microsoft Azure Table Storage using Azure Functions and Python
- Stored data was connected to Power BI Desktop and used to build data visualisations in a dashboard

### **PERSONAL WEBSITE | PERSONAL PROJECT | 2021**

- Created a personal website hosted on GitHub Pages for hands-on experience in front-end development.
- Utilised HTML, CSS and JavaScript to develop the website, as well as version control with Git in VS Studio Code

### **CO-FOUNDER | SNOOZE-ASIA | 2020**

- Co-founded a small e-commerce nightwear shop, to gain insights on building a start-up from the ground up
- Primary responsibilities included making key decisions on brand identity, designing the brand website with Squarespace, implementing custom CSS and JavaScript, as well as creating a social media presence to market the product, drive higher traffic towards website store and to push sales growth

## **STUDENT REPRESENTATIVE | STUDENT-STAFF LIAISON COMMITTEE (SSLC) | 2017-2018**

- Increased overall student satisfaction of the school's cohort by raising issues faced by the student body to the school faculty, and resolving addressable issues
- Actively compiled feedback from students into useful evaluations on the current state of affairs, such as the quality of lectures; voiced evaluations gathered to the SSLC chair

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## Education

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## **MENG ELECTRICAL AND ELECTRONIC ENGINEERING | UNIVERSITY OF MANCHESTER | 2014-2018**

- **Result: Second Class Upper (2:1)**
- Secretary for 4<sup>th</sup> year team project to design an autonomous, neutrally buoyant, tethered UAV. Responsible for research and design of wireless communications. Extra responsibilities included writing meeting agendas and minutes with project supervisors, and being the first barrier of communication between team supervisors, and project sponsors
- Awarded a first-class grade for 3<sup>rd</sup> year individual project, detailing the effects of heterogeneous networks on the area spectral efficiency of wireless mobile networks. Project required intensive research on the latest generation of mobile networks, use of MATLAB, and an in-depth understanding on wireless signal propagation properties
- Core modules: Java programming, Circuit Analysis, Digital Systems Design, Control Systems, Electronic Circuit Design, Engineering Analysis, Data Networking, Concurrent Systems, Digital Mobile Communications

## **A-LEVELS | TAYLOR'S COLLEGE SRI HARTAMAS | 2013-2014**

- **Subjects: Mathematics, Physics, Chemistry**

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## Skills & Tools

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### **Skills**

- SQL
- Python
- R
- HTML5/CSS
- Git

### **Tools**

- SQL Server Management Studio (SSMS)
- SAP Data Services (BODS)
- SAP Information Steward
- Power BI Desktop
- Microsoft Azure

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## Certifications

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### **Certifications**

- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Data Analyst Associate (DA-100)
- Professional Scrum Master I (PSM I)