KUM KING WYE

PROFILE

As a Master of IT graduate from James Cook University Singapore (JCUS), specializing in Computing, and a Bachelor of IT alumnus from the same institution, I am equipped with a strong foundation in the field of software development.

Currently, I am thriving as an IT developer at UOB, where I contribute to the development of applications that enhance employee productivity. My diverse experience encompasses various programming languages and applications, including HTML/CSS/JS, Java, Python, and C#. Throughout my academic journey, I have gained proficiency in tools such as Jupyter Notebook, PyCharm, Weka, and Figma, leveraging them effectively for assignments and projects.

Additionally, I have hands-on experience with CMS systems like WordPress and Joomla, as well as DBMS systems such as Oracle and MySQL. Committed to continuous growth, I am actively pursuing knowledge in ReactJS and React Native.

EDUCATION

St Joseph's Institution International
Jan 2012 – Sep 2016
NYAA Bronze 2014

James Cook University Foundation Course
Nov 2016 – June 2017

James Cook University – Bachelor of Information Technology
Nov 2019 – Nov 2021
GPA: 5.51

James Cook University – Master of Information Technology (Majoring in Computing)
Nov 2021 – Nov 2022
GPA: 5.94

WORK EXPERIENCE

Assigned to Marina Barrage to work under PUB by SJII as a Visitor Guide
15TH May 2015 – 19th May 2015
- Helped guide visitors around the Sustainable Singapore Gallery and provide explanations on the operations and functions of the facility.
- Ensure the gallery's housekeeping is maintained.
- Assisted the admin staff with computer work

Sergeant Major Personal Assistant, SAF, Singapore
9th May 2018 – 9th November 2019
- Efficiently managed email correspondence, contributing to smooth day-to-day operations.
- Coordinated and optimized vehicle appointments, ensuring seamless scheduling.
- Handled incoming calls for the Sergeant Major, delivering professional assistance.
- Maintained safety documents in accordance with standards, fostering a culture of compliance.
- Conducted daily checks to ensure vehicle availability and serviceability.

IT Developer, United Overseas Bank Limited (UOB)
(5th April 2023 to Current)
- Leveraged Microsoft Access, VBA, and SQL to streamline processes, improve risk control, and develop internal applications.
- Designed and implemented efficient databases using SQL for data storage, retrieval, and manipulation.
- Provided comprehensive support for ad-hoc internal reporting and issue resolution, assisting colleagues with software-related problems.
- Developed web pages and forms for in house usages to create emails to distribute to clients automatically.

Please note that in accordance with the terms of my employment contract, I am required to provide a notice period of at least one month to my current employers before seeking termination of my contract.

CONTACT

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https://kingwye-kum.com/

HOBBIES

Learning Japanese Language
Playing Video Games (Dota 2)
Solving Rubik's Puzzles

LANGUAGE SKILLS

ENGLISH - Native
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CHINESE - Intermediate
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JAPANESE - Basic
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JCUS PROJECTS

Programming 2
- Developed a music track sorting application using PyCharm, enabling users to effortlessly add, remove, and sort songs. Implemented data persistence to preserve the track list.
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Information Processing and Visualisation
- Utilized Jupyter Notebook to analyze a Dengue dataset, employing advanced statistical models such as Time Series, ANOVA, Multiple Regression, and Simple Linear Regression to derive valuable insights.

Data Mining
- Analyzed a Heart Attacks dataset using WEKA, applying classification methods including J48, Naïve Bayes, and Multilayer Perceptron to predict the likelihood of heart attacks based on patients' existing conditions.

Mobile Computing
- Created engaging utility and educational game applications using Android Studios. The utility app featured a comprehensive measurement unit converter, while the educational game facilitated interactive learning about diverse countries and cultures.

Design Thinking and Creative IT Industries
- Successfully completed a Design Sprint Challenge, focusing on enhancing consumer recycling rates in Singapore. Utilized Figma to craft visually appealing wireframes, and effectively implemented agile development methodologies to address mobile phone security concerns for elderly users.

Algorithms and Data Structure
- Demonstrated proficiency in algorithmic problem-solving by creating innovative questions based on given datasets, leveraging data structures such as graphs and linked lists for efficient solutions.

Content Management System
- Developed a captivating website promoting awareness and understanding of autism spectrum care. Leveraged PHP and CSS knowledge to create a custom WordPress theme using underscores.me. Additionally, utilized WordPress and Joomla to create an immersive online tourism website by integrating pre-existing libraries.

Multi-Disciplinary Project

- Actively participated in the Harvey Norman student competition, conducting comprehensive analysis of survey results obtained from physical stores. Skillfully utilized Figma to design visually appealing UI/UX prototypes based on the analysis findings, offering practical and user-friendly technology solutions.

PROGRAMMING LANGUAGE EXPERIENCE

- **Java**: Developed mobile applications during my academic projects.
- **Python**: Utilized for data analysis, scripting, and developing automation tools.
- **C#:** Utilized primarily for developing video games on the Unity engine in personal projects
- **HTML/CSS/JS**
  - Created web pages for bank clients to be able to automatically create emails with attached csv files to be able to easily import into MS Access Applications which are also developed by me.
  - Created a web page design wireframe on **Figma** and translated them into a website using **PHP** on Wordpress and Joomla.
- **SQL**: Proficient in designing and implementing efficient databases using SQL for seamless data storage, retrieval, and manipulation. Leveraged SQL during my role as a Developer at UOB to streamline processes, improve risk control, and develop internal applications.
- **VBA (Visual Basic for Applications)**: Developed macros and automated processes in Microsoft Office applications, such as Excel and Access, leveraging VBA during my tenure as a Developer at UOB to enhance productivity and support ad-hoc internal reporting and issue resolution.
- **React Native**: Currently pursuing knowledge in React Native for cross-platform mobile app development.
- **ReactJS:** Currently learning ReactJS for front-end web development, gaining proficiency in building interactive user interfaces and single-page applications.

APPLICATION EXPERIENCE

- Experienced in utilizing Jupyter Notebook and WEKA for advanced data analysis, modeling, and visualization.
- Skilled in using PyCharm, IntelliJ, and Android Studio for streamlined software development and coding projects.
- Proficient in MySQL Workbench and Oracle Database 19c for effective database management and query optimization.
- Competent in WordPress and Joomla for creating and managing dynamic websites, incorporating custom themes and plugins.
- Proficient in Microsoft Access for developing applications and utilizing VBA for enhanced data manipulation and automation.