

# KHWANCHANOK CHUMKHUN

5 Williams close, ELY CB7 4FQ (Willing to relocate)

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## PROFILE

Highly skilled and results-oriented professional with solid academic performance, holding a first-class honours degree in Computer Engineering and graduating with distinction in MSc Applied Data Science at the University of Essex with 10 years of extensive experience in the IT planning and management department for a well-known international automotive company. Multitasking by playing different roles in multiple concurrent projects. Also dedicated team leader with the ability to effectively manage to achieve project goal

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## EDUCATION

**Jan 2022 – Jan 2023:** MSc Applied Data Science Student at the University of Essex

- Machine Learning models for Diabetes Diagnosis using Python
- Data analysis and visualisation to study discrimination in Dallas Policing Dataset using R
- Analysis of World Development Indicators and the severity of the COVID-19 pandemic using R
- Mortgage application approval prediction by Logistic Regression Model using R
- Text Analytics/Mining for sentimental analysis of TED Talks transcripts using R
- A review study on Machine Learning models for breast cancer diagnosis
- Dissertation (Industrial Project): Analysis of migraine triggers and building migraine attack prediction model using Python

**2008-2011:** Bachelor of Engineering (Computer Engineering), Rangsit University, Thailand  
GPA: 3.89/4 cumulative, First-class honours

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## EXPERIENCE

**2020-2021: IT Assistant Manager** at Toyota Daihatsu Engineering and Manufacturing (IT Marketing and Engineering management department)

- Establish the long-term plan for the team according to the company vision
- Business Analyst, System Analyst, and Project Manager in multiple concurrent projects, especially process automation project (by Robotic Process Automation (RPA), MS Excel script, and Python), data analysis & visualization (by MS Excel script, and Python) , and software development projects
- Participate in company training courses for an assistant manager (people management, budget management)

**2018-2019: IT Senior Engineer** in IT Marketing and Engineering management department at Toyota Daihatsu Engineering and Manufacturing

- Plan and manage multiple projects (ex. work with all Toyota affiliates to plan and manage RPA infrastructure to maximise company benefit with low investment)

**2017-2018: Intra Company Transferee** at Toyota Motor Corporation in JAPAN (Engineering IT department)

- Strengthen knowledge in Computer-Aided Design (CAD) Systems and Product Data Management (PDM) use in Toyota and Mixed Reality technology for vehicle development processes
- Plan, manage, and execute a project to correct improper engine design in the PDM system

**2016-2017: IT Senior Engineer** at Toyota Daihatsu Engineering and Manufacturing (Company name changed from business expansion)

- Mentor new members of the team
- Plan and manage multiple projects (ex. Windows 7 migration, establishing an IT environment to support Resident Engineers from all Toyota affiliates for on-site vehicle confirmation projects,...)
- Participate in company training courses for a senior engineer (Coaching & mentoring)

**2012-2015: IT Engineer** at Toyota Motor Asia Pacific Engineering & Manufacturing (IT planning and management department)

- Participate in company training courses for a newcomer (Toyota Way, PDCA, Toyota Business Practise, Team building, Toyota Production System)
- Support vehicle designers as IT Helpdesk
- Understand business and provide IT solutions to reduce company expenses by reasonably eliminating the software licence increase

**Summer 2011: Trainee** at Alcatel-Lucent (Thailand) Company Limited, Bangkok.  
Working as a system tester and observer in a Next-generation network (NGN) project

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## IT SKILLS

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- Programming Languages: Python, R, VBA, SQL, C, C++, C#, HTML, Java
  - Data Science: Data wrangling, Modelling, Machine Learning, Deep Learning, Exploratory Data Analysis (EDA), Data Manipulation, Data Visualization, Data Mining, Data cleaning
  - Tools: MATLAB, Git, Microsoft Office, Linux, Windows Server
  - Emerging Technologies: Augmented Reality, Virtual Reality, Mixed Reality
  - Project Management: Agile methodologies, Cross-functional Team Leadership, ITIL
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## LANGUAGES

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| ▪ Thai : Native      | ▪ French : Intermediate  |
| ▪ English : Advanced | ▪ Japanese : Intermediat |