# TORNTAN CHAINANT
## DATA SCIENTIST | DATA ANALYST

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## PROFESSIONAL SUMMARY

*Data Analyst with 2 years' experience in data analytics and business intelligence. Skilled in Python, Excel VLOOKUP, VBA, and data visualization with TIBCO Spotfire and Matplotlib. Improved defect detection by 23.6% at Sony through test data analysis. MSc in Data Science from the University of Exeter. Developed machine learning models to optimize performance. Bilingual in Thai and English, adaptable, and passionate about data-driven problem solving.*

## ACADEMIC BACKGROUND

**KASETSART UNIVERSITY**                                    2017 - 2021
BACHELOR OF ENGINEERING IN ELECTRICAL ENGINEERING          Bangkok, Thailand
(SECOND CLASS HONOUR)

**UNIVERSITY OF EXETER**                                    2023 - 2024
MASTER OF SCIENCE IN DATA SCIENCE                          Exeter, United Kingdom
(WITH DISTINCTION)

## DATA SCIENCE EXPERIENCE

- Developed a hybrid optimization model using Reinforcement Learning (RL) and Genetic Algorithms (GA) to improve application mapping efficiency in Network-on-Chip (NoC) architectures, achieving reduced communication costs and enhanced convergence robustness. (MSc Final Project)
- Developed a machine learning model for e-commerce text classification using TF-IDF and Linear SVM, achieving 95% test accuracy in categorizing products into Electronics, Household, Books, and Clothing & Accessories. (social networks and text analysis project)
- Analyzed customer response to banking marketing data using logistic regression to predict client subscription to term deposits, achieving an AUC score of 0.816 and identifying challenges related to class imbalance.

## CAREER HISTORY

**SONY DEVICE TECHNOLOGY (THAILAND)**                      July 2021 - May 2023
**TESTER ENGINEER (DATA ANALYSIS)**

- Improved defect detection by 23.6% by analyzing large-scale image sensor test data using Excel (VLOOKUP, VBA), reducing the number of outlier products and accelerating the quality assurance cycle.
- Developed dashboards using TIBCO Spotfire and Excel (PivotTables, formulas) to track test values, enabling early detection of trends and anomalies.
- Provided actionable insights from test data that supported critical product release decisions, helping the team avoid delays and meet market deadlines.

## CORE SKILLS

- **Programming language:** Python, Assembly, C, C#, Arduino, SQL
- **Cloud Platforms & Tools:** AWS (EC2, S3, Lambda, CloudWatch)
- **Visualisation tools:** Python library (Matplotlib, Seaborn), Tibco Spotfire
- **Software:** Microsoft Office, Matlab, Prometheus, VBA, SPSS
- **Personal Skills:** Problem-solving, analytical thinking, AI tool proficiency
- **Language:** Native Thai, Moderate English communication (IELT 6.5)

## ACHIEVEMENT

- Scholarship Outstanding academic of the second semester year 2018.
- Winner of robot tracking colour way 2020.
- DMD Award smart factory at Sony Device company 2021.