

(TONY) TANAPON TANTISRIPEECHA

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GitHub&Website: <https://tonytan-tanapon.github.io/> | Authorized to work in the US for any employer

CAREER HIGHLIGHT

- 7+ years proficiency in **Mathematics and Computer Science** as a professor at the top-ranked international university, and 2+ years in **Software engineer** in a finance technology company.
- 10+ years of coding experience with **C, C++, Java, Python and SQL**.
- 6+ years of research experience in **AI, Deep learning and Machine learning** and experience in various library and framework such as **Tensor flow, Pytorch and SKlearn**.
- Proficient in core **data structure and algorithms, software development, web development** and excellent experience in **SQL and NoSQL** database management.

TECHNICAL SKILLS

- **Programming languages:** Java, C, C++, C#, JavaScript, Python, R, Prolog, SQL, .Net, PHP, HTML.
- **Libraries:** Tensor flow, Pytorch, Keras, Scikit-Learn, Pandas, NumPy, NLTK, Matplotlib, Re, Seaborn.
- **Analytics Tools:** Power BI, Tableau, Microsoft Visio, Microsoft Excel.
- **Modeling Techniques:** Statistic Analysis, Data Mining, Data visualization, Web Scraping, Linear regression, Logistic Regression, CNN, RNN, LSTM, LLM, Transformer, K-mean Clustering, A/B Testing

PROFESSIONAL EXPERIENCE

Mathematics and Computer Science professor

May 2018 – Jan 2024

Mahidol University, Thailand

- Prepared and delivered lectures to a diverse group of Thai and international undergraduate students more than 15 subjects and more than 1,000 students in mathematics and computer science courses, including **Deep learning, Natural Language Processing (NLP)**, Data Science, Database Management, Java and Web Programming, Mobile Application Programming, Software Engineering, as well as Calculus and Ordinary Difference Equations.
- Selected as an advisor and provided guidance for more than 30 senior projects including image classification, object detection, deep learning, CNN, text classification, NLP, sentiment analysis, recommendation system and mobile application with verities of programming language and library including Python, TensorFlow, Pytorch, Sklearn, Java MySQL and NoSQL. The project results' accuracy was increased by 15-25% individually.
- Published research focused on imbalance text classification with large dataset, resulted in increasing its accuracy and efficiency by 25%.
- Contributed to the academic community by reviewing research papers for international journals and conferences.

Computer Science professor

July 2017 - March 2018

Rajamangala University of Technology Thanyaburi, Thailand

- Developed and delivered engaging lectures for more than 200 undergraduate students in diverse subjects, including **Artificial Intelligence**, Information Systems, and Database Administration.
- Provided guidance and supported 5 senior's projects, as their advisor, within the field of Computer Science using C, C++ and Python.
- Published research focused on stock movement analysis and increased the prediction accuracy by 20%.

Software engineer

Jan 2016 - June 2017

Polar Bear Technology Group Co., Ltd, Bangkok, Thailand

- Analyzed the stock markets movements of the United States, China, and Thailand.
- Created an automatic trading system using Java language via Trader WorkStation (TWS) API. With the winning rate of 80%.
- Tested software to eliminate bugs, fixed the program, and developed its speed. Increased overall program's efficiency by approximately 25%.

EDUCATION

- **Doctor of Philosophy** (Computer Science), GPA: 4.0 Nov 2010 - Sep 2016
Kasetsart University, Thailand
- **Master of Science** in Computer Science, GPA: 3.68 June 2008 - May 2010
Kasetsart University, Thailand
- **Bachelor of Science** (Computer Science), GPA 3.61 (first-class honors) Nov 2010 - Sep 2016
Khonkaen University, Thailand