**TANAPON TANTISRIPREECHA**

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Authorized to work in the US for any employer (EB-2 NIW Green Card Holder)

**Career Highlights:**

* 10+ years of coding experience with C, C++, Java, and Python.
* 6+ years of research experience in AI and Machine learning.
* Strong background in developing educational materials for mathematics and computer science courses.
* Proficient in core data structure and algorithms.
* Excellent experience in database management.
* Ability to supervise the work of undergraduate student.

**Professional Experience**

**Mahidol University -** Mathematics Lecturer

May 2018 – current Bangkok, Thailand

* Experienced in preparing and delivering lectures to a diverse group of Thai and international undergraduate students.
* Proficient in teaching a wide range of subjects, including Introduction to **Deep learning, Natural Language Processing (NLP), Machine Learning,** Data Science, Database Management, Big Data Analysis, Java and Web Programming, Mobile Application Programming, Software Engineering, Internet of Things, as well as Calculus and Ordinary Difference Equations.
* Provided guidance and support to students undertaking senior projects in the field of Artificial Intelligence.
* Contributed to the academic community by reviewing research papers for international journals and conferences.
* Designed and developed a research project focused on Natural Language Processing (NLP) and Machine Learning.

**Rajamangala University of Technology Thanyaburi** - Computer Science Lecturer

July 2017 - March 2018 Pathum Thani, Thailand

* Developed and delivered engaging lectures for undergraduate students in diverse subjects, including Artificial Intelligence, Information Systems, and Database Administration.
* Provided guidance and support to students undertaking senior projects within the field of Computer Science.
* Designed and implemented an effective curriculum for an academic year to enhance student learning outcomes.

**Alphalist** - Freelance consultant

2016-2017 Bangkok, Thailand

* Designed and developed an automatic trading system using Java language via Trader WorkStation (TWS) API.
* Developed trading strategies for the trading system.
* Introduced users to Thailand and international brokers.
* Provided coaching and consultation to users for Trader WorkStation (TWS) program instructions.

**Polar Bear Technology Group Co.,Ltd** Freelance Programmer

2016-2017 Bangkok, Thailand

* Completed the AmiBroker Course and connected to the China Futures Database.
* Analyzed movements in the US, China, and Thailand stock markets.
* Coded signal models using AmiBroker for market analysis and trading signals.

**Institute of Information (NII)**, **Internship**

**2014** Tokyo, Japan

* Researched and developed logic programming and legal reasoning algorithms.
* Published a paper in the International Conference on Intelligent Computing, 2014.

**Konrad Adenauer Stiftung fund**, freelance programmer

2008 Germany

* Designed a database and user interface for the Legal Informatics Center Thailand, utilizing PHP and MySQL technologies.
* Developed and deployed a website for the Legal Informatics Center Thailand (currently out of service).
* The website featured a registration system, search system, web board, and database system."

**Education**

* **Kasetsart University, Thailand** - Doctor of Philosophy Program in Computer Science

2010-2016**.**Thesis title: Knowledge base Framework for Civil procedural law, GPA: 4.0/4.0

* **Kasetsart Universit, Thailand** - Master’s Degree in Computer Science

2008-2010. Thesis title: Supreme Court Sentence Retrieval using Ontology, GPA: 3.68/4.0

* **Khonkaen University, Thailand** - Bachelor’s Degree in Computer Science

2004-2007.Computer project: Digital Classroom Framework, GPA 3.61/4.0 (first-class honors)

**Scholarship**

* Mahidol University fund, Thailand, Outcome**:** A novel term weighting scheme for imbalanced text classification. Published in an International Journal of Computing and Informatics, 2022
* Thailand research fund (TRF), Thailand Outcome: A study and development of fact handling in legal expert system. Published in The Journal of King Mongkut's University of Technology North Bangkok, 2016

**JOURNAL PUBLICATIONS**

* **LegalEX: An Expert System for Law**, the Intelligent Decision Technologies, vol 10, pp. 315–328, 2016.
* **A study and development of fact handling in legal expert system**, The Journal of King Mongkut's University of Technology North Bangkok, 2016.

**INTERNATIONAL CONFERENCE**

* **A novel term weighting scheme for imbalanced text classification**, An International Journal of Computing and Informatics, Vol 46, No 2, 259–268, 2022.
* **Stock Market Movement Prediction using LDA**,19th IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD). 2018.
* **A Study and Development of Fact Handling in Legal Expert System**, Journal of King Mongkut’s University of Technology North Bangkok 27 (3), 523-534, 2017.

**COMPUTER SKILLS**

* Computer languages: Java, C, C++, C#, JavaScript, Python, Prolog, SQL, .Net, HTML, PHP.
* AI tool: Tenser flow, pytorch, Sklearn
* Computer Tools: Weka, Matlab, Octave, Blender, Adobe Photoshop, Spark.

**LANGUAGE SKILLS**

Good command in Thai and English.