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

- Prepared lectures for Thai and international undergraduate students in subjects including: Introduction to data science, Introduction to programming, Machine learning, Data mining, Database management, Big data analysis, Computer graphics, Java and Web programming, Mobile application programming, Software engineering, Internet of Things, Calculus and Ordinary difference equation.
- Developed and supervised various laboratory activities for computer science courses.
- Assisted students in senior project coursed within the field of Artificial Intelligence.
- Administered research programs and secured funding for them.

Rajamangala University of Technology Thanyaburi - Computer Science Lecturer
July 2017 - March 2018   Pathum Thani, Thailand

- Prepared lectures for Thai and international undergraduate students in subjects including: Artificial intelligence, Information System and Database administration.
- Identified suitable research programs for computer science students.
- Assisted students in senior project coursed within the field of Computer Science.
- Supported research initiatives through external resources.
- Designed and implemented an efficient curriculum for an academic year.

Alphalist - Freelance consultant
2016-2017   Bangkok, Thailand

- Design and develop an automatic trading system using Java language via Trader WorkStation (TWS) API.
- Develop trading strategies for the trading system.
- Introduce users to Thailand and international brokers.
- Provide 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.

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

Internship
Internship at Nation Institute of Information (NII), Tokyo, Japan Outcome: research outcome: Legal reasoning engine for civil court procedure. Published in International Conference on Intelligent Computing, 2014

Funding and Project:
Konrad Adenauer Stiftung fund, Germany2008
- Designed database and user interface for Legal Informatics Center Thailand.
- Developed and deployed a website for Legal Informatics Center Thailand (Out of service).
- Technologies used: PHP and MySQL.
- The website included a registration system, search system, web board, and database system.

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, Pine Script.
- AI tool: Tenser flow, pytorch, Sklearn
- Computer Tools: Weka, Matlab, Octave, Blender, Adobe Photoshop, Spark.

LANGUAGE SKILLS
  Good command in Thai and English.