

EDUCATION

- **Chulalongkorn University**, Bangkok, Thailand 2014 – 2018
Bachelor of Engineering, computer engineering 2nd class honors

INTERESTS

- Machine learning, Natural language processing (NLP), Chatbot applications, Bioinformatics
- Machine learning frameworks: Tensorflow, PyTorch
- Web technologies: Node.js, ReactJS
- Programming languages: Python, Java, C++, Javascript
- DevOps: Git, Docker, CI/CD

TECHNICAL EXPERIENCE

Working

- **Associate Research Engineer at KLABS, KBTG** (June 2018 – Present)
 - Research and develop required tools for Thai Natural Language Understanding (NLU)
 - Applied traditional and modern machine learning techniques to solve Thai text classification problems (e.g. user's intent classification, sentiment analysis, entities recognition etc.)
 - Working with NLP team to deliver solutions for KBANK Business Unit including Chatbot, Social listening, Fundamental task for Thai NLP APIs and Knowledge management system

Internship

- **KLABS, KASIKORN Business - Technology Group** (June – July 2017)
 - Developed a deep neural network model for extracting key information and assigning labels from Thai texts for various applications (e.g. social listening, chatbot)
 - Implemented the prototype using Python and Tensorflow library

Undergraduate Projects

- **CUnlp: Thai Natural Language Processing Library** (2018)
 - Implementing a Tensorflow-based python library for Thai natural language processing including basic functions (e.g. word/sentence tokenize, sentiment analysis, word similarity etc.)
 - Implementing and training various Thai natural language processing models for public usages
- **National Software Competition 2018: Thai Plagiarism Detection (1st Place Winner)** (2018)
 - Developing tools to detect plagiarism on Thai documents by using Suffix-Array algorithm
- **Human Pan-Cancer miRNA-LncRNA Interactions Prediction** (2018)
 - Developing deep neural network model to detect miRNA-LncRNA interactions on human genome sequences using deep learning technique.
- **Chatbot Applications** (2017)
 - Developing chatbot applications in various domains (e.g. information retrieval assistant, daily promotion reporter, board game moderator)
 - Implementing chatbot prototypes by using Node-RED
- **Matchmaker Web Application** (2017)
 - Designing web application to help matching between tutors and students by using the concepts of MVC architectural pattern, user-centered and mobile friendly design
 - Implementing web application by ReactJS, Node.js and MongoDB

LANGUAGES

- Thai language: Native
- English language: Conversational level