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DANUPAT KHAMNUANSIN
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EDUCATION

Bangkok, Thailand	Chulalongkorn University	2014-2017 (Present)

- Studying Bachelor of Engineering in Computer Engineering. (6 semesters) GPA: 3.27

INTERESTS

- Machine learning, Natural language processing (NLP), Chatbot application
- Full-Stack web and software development
- Machine learning tools: Tensorflow, Keras, Gensim
- Python, Java, C++, Javascript
- CSS, HTML, Django, Node.js, ReactJS, Jade/Pug, Bootstrap, Github, Docker
- MySQL, MongoDB

TECHNICAL EXPERIENCE

Internship

- **KLABS, KASIKORN Business - Technology Group (June – July 2017)**
  - Developed a long-short term memory (LSTM) for extracting key information and assigning labels from Thai texts for various applications. (e.g. social listening, chatbot)
  - Implemented on Tensorflow.

Projects

- **CUnlp: Thai Natural Languages Processing Library (Senior project)** (2017 – ongoing)
  - 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 - CUDeepCatch : Thai Plagiarism Detection** (2017– ongoing)
  - Developing tools to detect plagiarism on Thai documents by using Suffix-Tree algorithm with word2vec representation.
  - Implementing on Tensorflow.
- **Chatbot Applications** (2017)
  - Developing chatbot application in various domains. (e.g. Information retrieval assistant, Daily promotion reporter, Board game moderator)
  - Implementing on Line messaging API and Python web server runing by Flask frameworks.
- **TutorS - Matchmaker Web Application** (2017)
  - Implementing web application to help matching between tutor and student using MVC architectural pattern, User-centered and Mobile friendly design.
  - Using ReactJS and mongoDB.
- **Student Registrar Web Application** (2016)
  - Implementing web application including UX/UI design, authentication, database query, ER/Schema diagram design, normalization and security considerations.
  - Using Node.js and MySQL.
- **System Analysis and Software Design: Chula Course Table** (2016)
  - Analyze existing real world problems to create analysis and design documents for a solution application including proposal, analysis documents, functional and structural modeling.

LANGUAGES

- Thai language: Native
- English language: Intermediate (Conversation Level)