Visatouch Deeying

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Work experiences

Faculty of Engineering, Chulalongkorn University – Teaching Assistant　　2017 – 2018

- Involved in Computer System Architectures class and Computer Networks class.

Kinoshita's Laboratory, Tokyo University of Technology – Research Intern　　2016

- Helped with a research about "Smartphone Authentication by Trace of Touch Operation".

Educations

Chulalongkorn University – Master of Engineering in Computer Engineering　　2017 – present

Chulalongkorn University – Bachelor of Engineering in Computer Engineering　　2013 – 2017

- GPAX: 3.60 (1st Class Honors)

Suankuarb Wittayalai Rangsit School – High School　　2010 – 2013

- GPAX: 3.23

Awards

- 2nd Place, Programming Methodology class of 2014　　2015
- Gold Medalist, The 7th Thailand Olympiad in Informatics　　2011
- Final Round Participant, The 13th National Software Contest　　2011
- Silver Medalist, The 6th Thailand Olympiad in Informatics　　2010

Projects

Communication system and algorithm for automatic vehicle platooning　　2016 – present

- Developed and demonstrate a communication protocol for automatic vehicle platooning.
- Utilized IEEE 802.11p standard for communication.
- Used Anki OVERDRIVE as a prototype for demonstration.
- This project was demonstrated in NITAD 17.

CU Pile　　2016 – 2017

- An application which help civil engineers in pile driving operations.
- A project collaborated with Geotechnical Research Unit, Chulalongkorn University.
- In the team, I'm mostly focused on the backend and database.

teacup　　2016 – present

- A social network which focused on articles and discussions.
- In the team, I'm mostly focused on the backend and deployment.
- Live at https://teacupreader.com.

Project Pon　　2014

- A combination between pong and breakout game with networking feature written in Java.
- GitHub repository for this project is at https://github.com/xerodotc/project-pon.

Activities

ACM-ICPC Contests, Chulalongkorn University site – System Division (head) staff   **2014 – 2016**

- An international programming competition for university students.
- Operate and maintain contest system for all ACM-ICPC competitions that being held at Chulalongkorn University.

2015 ICPC Pre-Contest – Problem Setter   **2015**

- An ACM-ICPC style programming competition organised by SIPA.
- Create programming problems for the contestant to solve.

Publications

A study of vehicular desynchronization for platooning application   **2017**

- Proceeding of 2017 17th IEEE International Conference on Communication Technology (ICCT)
- Available on IEEE Xplore [https://ieeexplore.ieee.org/document/8359878/]

Skills

Programming Languages
- Competent in C, C++, Java, Python and Bash script
- Also able to write PHP, JavaScript and SQL

Other Software Development/Computer Skills
- Linux
- Flask Microframework for Python
- ns-3 Network Simulator
- OMNeT++ Network Simulator + Veins/Plexe Framework
- Low-level Network Programming
- Arduino
- Git

Language Skills
- Thai (native)
- English (intermediate, TOEFL iBT – 89 points)
- Japanese (beginner, JLPT N3 – passed)

Interests

- Smart Societies
- Internet of Things
- Intelligent Transportation System
- Automation
- Virtual assistants
- Immersive technologies
- Computer network
- Computer security
- Games