



# Saranphon Phaithoon

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## Education

### Faculty of ICT, Mahidol University

2017 - Present

*International Program | Thailand*

- Studied practical software engineering, agile

**Major: Software Engineering | Cum. GPA: 3.95**

## Projects

### Homily | Platform for dementia caretakers 2020

- Conducted market research, created business model canvas, defined user personas, interviewed potential customers, drafted business plan, and designed MVP for mobile using Figma
- Won second runner-up AYDT 2020 Competition

### QC Management Web Application 2020

- Developed management web application for QC department using React, Firebase

### Open Source Unit Testing and Web UI testing 2020

- Developed test cases and validated each unit of software and website user interface using JUnit, Selenium

### Gemini Observatory System Web Application 2020

- Built website with Spring Boot for implementing observatory control system
- Identified functional/non-functional requirements
- Designed users' scenarios and use case analysis

### 'PenQuiz' Simple Android Quiz Application 2020

- Built simple android quiz application using Kotlin and Firebase Realtime Database

### Simple Java Search Engine 2019

- Implemented Java search engine program to rank relevant documents in search results using TF-IDF

### Database Design for Thai Railway 2018

- Analyzed business requirements, rules, and constraints
- Created normalized database from designed structure

### Web Programming Project Website 2018

- Developed informative website about ethnic groups in Thailand integrated with web accessibilities i.e. font size, color blindness, and Text To Speech (TTS)

## Experience

### NAIST, Japan | Research Internship

June 2020 - Present

- Worked with Software Engineering Lab at Nara Institute of Science and Technology in technical debt field

### AIS | Graphic Designer Internship

June 2020 - September 2020

- Designed artworks e.g. poster and advertisements to promote employees' activities inside the company

### Teacher Assistant

2018 - Present

- Taught freshmen about OOP and Java
- Graded freshmen assignment and classwork

## Skills

### Technical skills

Java • Python • C • HTML5 • CSS3 • JavaScript  
• Bootstrap • Spring Boot • MySQL • MongoDB  
• Firebase • React (basic) • Agile/Scrum

### Design skills

Figma • Adobe Illustrator • Adobe Photoshop

### Soft skills

English (Working proficiency TOEIC 795)  
Self-Taught • Team player • Self-motivated

## Achievements & Awards

### AIS Young Digital Talent Camp 2020

- Applied Innovation and Technology knowledge to solve healthcare problems
- Won second runner-up for start-up idea, "Homily", a platform for dementia caretakers

### Academic Dean's Award 2017

- Earned 4.00 GPA in academic year 2017

### ICT Programming Competition 2017

- Participated in C and Java Programming competition for ICT students

### Thailand Design Creator 2017

- Participated in poster design competition with concept of Smart City of Thailand