

# Jetnipit Kulrativid

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I am a Computer Engineering student at Chulalongkorn University and a part-time software engineer at Agnos Health, previously earned 30 million dollars fund from Shark Tank Thailand. My work experience was mainly focused on backend development and database design. I am also a quantum computing enthusiast who eagers to participate on quantum challenges especially ones from IBM.

## Work Experience

**Software Engineer** at Agnos Health  
September 2022 – Present

- Designed, analyzed, and developed APIs
- Maintained existing application and implemented new feature
- Visualized the information from the database and cooperated with data scientist team

**Software Engineer** at Chula UTC  
March 2022 – August 2022

- Designed, developed, and deployed backend API and microservices
- Maintained existing project, worked on legacy code, and ensured consistency of services
- Monitored and migrated database, both SQL and NoSQL

## Skills

**Programming Languages** : Go, C, C++, Python, Java, Ruby, Scala, Assembly, MATLAB, SQL, VerilogHDL, JavaScript/TypeScript

**Frameworks** : Gin, GORM, Fiber, Echo, Ruby on Rails, gRPC, Django, FastAPI, GraphQL, Prisma, React.js

**Cloud Service Provider** : AWS, GCP

**Tools** : Docker, Git, GitHub Actions, Redash, SonarQube, Locust

**Others** : Qiskit, Clean Architecture, Domain Driven Design, SOLID Principle, CQRS, UML2.0, basic UNIX command

**Affiliation** :

- Thailand Incubator Club (Thinc.)

 **GPA** : 3.65

## Language

- Thai (native)
- English (basic communication and reading)

## Medium Articles

- [Booth Algorithm](#)

## Projects and Participations

**IBM Quantum Challenge Fall 2022**  
November 2022

- Received the [Advanced Badge](#) issued by [IBM](#)

**DMIND Application** with Chula UTC  
March 2022 – August 2022

- Developed [depression detection app](#) with **100k** users and collaboration with Chulalongkorn Hospital
- Administrated database and cooperated with data scientist
- Maintained the delivered services such as text answer feature
- Selected as representative of Thailand at ***i-CREAtE 2022 at Hong Kong***

**Automated MoCA Application**  
with Chula UTC

June 2022 – August 2022

- Developed automated [MoCA test](#) application which does not require neurologist to operate
- Restructured MoCA backend service and remodeled tangled database design

**Qiskit Global Summer School 2022**  
July 2022

- Received the Certificate of Participation from Qiskit Summer School
- Received the [Quantum Excellence badge](#) issued by [IBM](#)

**CU Newbie Website**  
with Thailand Incubator Club  
June 2022 – July 2022

- Developed job-finding website for university internship which is currently on soft launch for job provider

**Electronic MoCA Application**  
with Chula UTC

May 2022 – June 2022

- Investigated legacy code so that there is no exposed vulnerability
- Implemented new feature that conformed [PDPA](#) and [IRB](#)

**Qiskit** | Global Summer  
School 2022

## Certificate of Participation

Presented to

**Jetnipit Kulrativid**

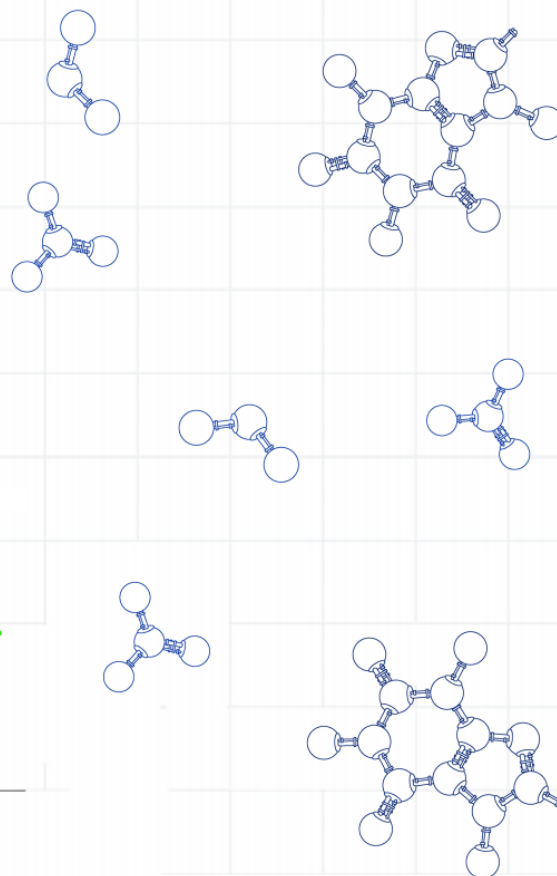
For the 2022 Qiskit Global Summer School on Quantum Simulation



Quantum Education and Open Science  
IBM Quantum

August 17, 2022

Date



## Global Student Innovation Challenge

### Technology Category

## Certificate of Attendance

This Certificate is awarded to

**DMIND: Detection and Monitoring Intelligence Network for Depression**

**Chulalongkorn University (Thailand)**

Kittipoch Saengsai  
Preedarat Watthangkul  
Jetnipit Kulrativid  
Posawat Maileung

Co-organisers:



