



Thanadol Chitthamlerd

Computer Engineering
Chulalongkorn University
GPAX 3.88

I'm a computer engineering undergraduate with a passion for learning and exploring new technologies. I have experience in web development, game development, machine learning, and always looking to expand my knowledge.

Contact



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GitHub

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Phone

+66-91-992-6320



Medium

<https://medium.com/@thanadolps>



LinkedIn

Thanadol Chitthamlerd

Education

2020 - Present

B.E. Computer Engineering
Chulalongkorn University
GPAX 3.88

Technical Skills

- **Web Development**
HTML CSS TS PHP
React Angular Next.js
- **Database**
Sqlite MySQL PostgreSQL
MongoDB
- **Machine Learning**
Python Numpy Pandas
Tensorflow Keras
Pytorch Lightning RayTune
- **Game Development**
Unity Renpy Blender
- **Embedded System**
C Rust Arduino Verilog
STM32 ESP32 BASYS3

Language

English (Proficient)

Thai (Native)

Experience / Projects / Coursework

2020

1st Year

CU Intania First Date 2020 Web Application | Angular Firebase

- Developed a crowds control web application for "Chula Intania First Date"

Larngear Camp 20th Website | React TS SCSS

- Implemented landing page for "Larngear Camp" registration website
- Used by approximately 3,000 high school students

2021

2nd Year

SmartSchool | TS React PHP Laravel

- Developed issue ticket features similar to Github's
- Assisted group members on navigating a large codebase

SCCU | Go Gorm GraphQL

- Contributed in development of GraphQL backend for SCCU, web application intended for managing student council of Chulalongkorn university

AI Research with KMITL Robotic and AI professor | Tensorflow Keras

"Meta-learning-based Physics-informed Neural Network Design for Solving Initial Value Problems of Nonlinear Differential Equations without Labeled Data"

The Nameless Maid | Unity C#

- Collaborated in development of 11-man game development project
- Developed AI for enemy behavior and procedure level generation
- Made to 30 finalists of Game Talent Showcase 2022

2022 - Present

3rd Year

Among us detector | Pytorch Lightning RayTune

- Trained object detection model for counting on syntactic data
- Achieving up to 98% accuracy

TraffyFondue image classifier | Autogluon Fiftyone

- Trained image classifier from TraffyFondue dataset
- Achieved top 5 on leaderboard

WigglePaw | NextJS Trpc Docker S3 Omise Cypress Vitest

- Developed web application for Software Engineering II course
- Integrated external API such as Omise, and S3
- Deployed the web application with database, object storage, and payment gateway
- Written docker-compose for development infrastructure
- Setup automatic documentation and testing

Searching for more experience and opportunities (especially **internships**)

Activities

- Competed in SILLAPA's paired web application development (2019)
 - Won sectional gold medal (bangkok region)
- An active staff member of the Games Research and Development (2020 - Present)
 - Participated as club staff in campus activities (CU First Date, Club Mania)
 - Collaborated with other members in game development
- Member of the Thinc, Chulalongkorn University (2020 - Present)
 - Collaborated with other members in web development