



Thanadol Chitthamlerd

Computer Engineering
Chulalongkorn University
GPAX 3.86

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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Medium
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LinkedIn
Thanadol Chitthamlerd

Education

2020 - 2024

B.E. Computer Engineering
Chulalongkorn University
GPAX 3.86

Technical Skills

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

Language

English (Proficient)

Thai (Native)

Experience / Projects

2020

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

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: Numerical Simulations of Initial Value Problems of Nonlinear Dynamical Systems without Labeled Data and Correlation Analyses"

The Nameless Maid | Unity C#

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

2022

TraffyFondue image classifier | Autogluon Fiftyone

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

WigglePaw web application | 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, git hook, and CI pipeline for development infrastructure
- Setup automatic documentation and testing

Anachronic | Unity C#

- Won "Talent of the Year 2023" and "Best of Technology" in Game Talent Showcase 2023
- Developed and optimized core mechanic such as time stop and reversal mechanic

2023

Internship at OxygenAI | Go OpenAPI Timescale

- Developed new backend for time-series data visualization
- Optimized data query and fetching to at least 5x faster

Teacher Assistant for Database Systems

- Assisted in Database Systems course by facilitating environment and clarifying questions

2024

PTTEP-BIF | Go Fiber Postgresql MinIO OpenAPI Testcontainers

- Developed new backend for eDNA Project under PTT Public Company Limited
- Designed robust codebase by integrating tools to reduce duplication and misalignment
- Written automated unit and integration test applying Testcontainer

Activities

- An active staff member of the Games Research and Development club (2020 - 2024)
 - Participated as club staff in campus activities (CU First Date, Club Mania)
- Member of the Thinc. club, Chulalongkorn University (2020 - 2024)