Thanadol Chitthamlerd

Computer Engineering
Chulalongkorn University
GPAX 3.87

Contact

Email
thanadolps@gmail.com

GitHub
https://github.com/thanadolps

Phone
+66-91-992-6320

Medium
https://medium.com/@thanadolps

Linkedin
Thanadol Chitthamlerd

Education

2020 - 2024
B.E. Computer Engineering
Chulalongkorn University
GPAX 3.87

2016 - 2019
Triam Udom Suksa School
GPAX 3.43

Technical Skills

- **Programming Language**
  Go Rust C# Java
  HTML CSS TypeScript

- **Framework**
  Fiber NestJS Poem
  React Angular Next.js

- **Machine Learning**
  Python Numpy Pandas
  Tensorflow Pytorch JAX

- **Database**
  Sqlite MySQL PostgresSQL
  MongoDB

- **Game Development**
  Unity C#

Language

English (Proficient)

Experience / Projects

click to open link

PTTEP-BIF (PTT's project) 🌐   (Aug 2023 -May 2024)
- Developed new Go backend for eDNA Project under PTT Public Company Limited
- Architected a robust, aligned codebase using a design-first and schema-first approach with Postgres, OpenAPI, sqlc, and oapi-codegen
- Reduced client image load time from MinIO by implementing JIT image resizing
- Utilized Docker's Testcontainers to create automated integration tests

Internship at OxygenAI   (Jun-Jul 2023)
- Developed a new Go + PocketBase backend for serving time-series data visualization
- Optimized the data query by utilizing TimescaleDB, MessagePack, and Websocket, resulted in least 5 fold increment in throughput

Teacher Assistant for Database Systems course   (Aug-Nov 2023)
- Assisted in teaching, grading, and ensuring a conducive learning environment

Web Application for Student Council of Chulalongkorn University (Jan-Feb 2022)
- Developed backend for SCCU, a web application intended for managing student council of Chulalongkorn university
- Employed Gorm ORM for database management and GraphQL for seamless integration

Chula Larngear Camp 20th Website ⦿   (Aug-Oct 2020)
- Implemented a landing page for "Larngear Camp" registration website, used by approximately 3,000 high school students, using React, TS, and SCSS

Chula Intania First Date 2020 Web Application ⦿   (Aug 2020)
- Developed a crowd control web application for "Chula Intania First Date" using Angular and Firebase

Published AI Research with KMITL Robotic and AI professor 📖 (Apr-Aug 2022)

WigglePaw web application 🌐 ⦿   (Jan-Apr 2023)
- Developed a web application for Software Engineering II course using NextJS and tRPC
- Integrated external APIs such as Omise (payment gateway) and R2 (object storage)
- Written docker-compose and CI pipeline for smooth development and deployment
- Setup API documentation with trpc-panel and testing using Cypress and Vitest

Competition / Award

Anachronic (1st place Game Talent Showcase 2023) 🕹️ 🖼️
- Won 1st place (Talent of the Year 2023) and "Best of Technology" award

The Nameless Maid (30 Finalists in Game Talent Showcase 2022) 🕹️
- Collaborated in development of 11-man game development project using Unity

TraffyFondue image classifier (Top 5 leaderboard) 𝗄
- Achieved top 5 on leaderboard in a contest of image classifier from real-world TraffyFondue dataset

Data Science Home Hackathon 2019

Gold medal in SILLAPA's web application 2017 (Bangkok Region)
- First place in Bangkok on student paired web application development competition

Extracurricular Activities

Staff member of the Games Research and Development club (2020 - 2024)
- Assisted with planning, preparation, and on-site engagement for events such as CU First Date and Club Mania
- Contributed to the planning and execution of various club events