Pongsakorn Rattanapan

- I am interested in software engineering application in various fields. Personally, I like work that is challenging and creates an impact on people.

- I like to learn new things and like work that uses knowledge in many fields and applies them together to make interesting projects.
  Which made me curious to see what I could achieve.

- In terms of learning new things I have knowledge in Compiler so I can understand the working of code in various languages easily. From the principles of token , control flow graph and code optimization.

CONTACT

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SKILLS

Normal command of English	OpenCV / NLP
JAVA / C# / GO / SQL / Python	Git
React typescript	OOP / Functional
Flutter / Dart	Compiler / OCaml

Computational Intelligence,
Mobile Application Development,
Software Development

EDUCATION

Bachelor of Engineering, Computer Engineering
- Chiang Mai University, Expected April, 2024
- GPA 3.61

EXPERIENCE

Java - Multilayer Perceptron (MLP) from scratch
Java OOP , Dec 2022
- Created Multilayer Perceptron with Matrix calculation Backpropagation to Predict and Classify.
- Also implemented Genetic algorithm and Particle Swarm Optimization
- Backpropagation (Github) , Genetic algorithm (Github), and Swarm optimization (Github).

Air Pollution Report and Photo Sharing App
Mobile Developer : Team project , Flutter with Dart , April 2023
- Worked with a team of five to develop a mobile application that displays air quality data. (Github)
- I was responsible for developing a feature that allows to get GPS coordinates and get heat spot data form api NASA's FIRMS

4 th place, Thailand 3rd Kibo Robot Programming Challenge Hosted by JAXA and NSTDA
- Team (Lynx) : The 4th place on 2022 (Link) and 8th place on 2021 (Link)
- Worked in a team to program a robot "Astrobee" using Java to complete tasks on ISS simulation , image processing , robot movement error handling , and robot route planning.

CapSnap - Capstone Project
Mobile & AI Developer : Team project , 2023–2024
- Flutter-based android application for product browsing, checkout, and real-time and has feature like camera streaming that streaming to a self-trained AI classification server in real time

Compiler - (.CPE) custom language functional
Team project , Tokenizer Parser Functional, 2023–2024
- Worked with a team of three to develop a **.cpe** (functional) language with OCaml-based compiler to parse token and make AST
- Understand Lambda calculus

GO – Basic RESTful API in GoLang
GO JWT MySQL Docker, 2024
- Build in an MVC structure and connect to a MySQL database that offers endpoints for users, posts, task services with JWT authentication.

C# – Basic RESTful API RESTful API
C# , .NET 8 Framework , swagger , SQL , 2024
- Learn and build in an .NET Framework for all CRUD with data validations for villas endpoints that have swagger API Document and connect to a SQL database.

WORK EXPERIENCE

Front End Developer at Namjai Development Team
June 2023 - Present (outsource)
- Namjai is a crowd-funding platform targeted to children's development led by a charity foundation.
- I worked in a team as a front-end and UX/UI designer developer using React, TypeScript, Tailwind CSS, and MUI.

Startup Tech "WAANME" (React PWA)
Fail , 2020–2021
- Sandbox: Entrepreneurial Ecosystem Development Program from Science & Technology Park (STeP)
- Experience on Business plan and Lean Canvas , developing prototype and MVP