Pongsakorn Rattanapan

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- 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.

EDUCATION

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

SKILLS

Normal command of English

JAVA, C#, GO, SQL, Python, React typescript, OOP , Functional

Flutter (Dart) Compiler (OCaml) OpenCV , NLP Git

Software Development , Mobile Application Development
Computational Intelligence

EXPERIENCE

Front End Developer at Namjai Development Team
June 2023 - Present

- Namjai is a crowdfunding platform focused on children's development, managed by a charitable foundation.
- I collaborated with a team as a front-end developer and UX/UI designer, utilizing React, 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

Teaching Assistant at Chiang Mai University
2022–2023

- Assisted in the Seminar in Accounting for Non-IT Majors course and the Computational Intelligence for Robotics Majors course.

PROJECTS

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
Java
May 2022

- Team (Lynx) : The 4th place on 2022 (Link) and 8th place on 2021 (Link)
- Collaborated with a team to program the robot "Astrobee" in Java for completing tasks in an ISS simulation, including image processing, handling robot errors, and planning robot routes.

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 and Understand Lambda calculus

C# – Basic RESTful API .NET Framework
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.