

Pattakit Charoensedtakul

678-315-4561 | boss pattakit123@gmail.com | home.pattakit.com | [linkedin.com/in/pattakit](https://www.linkedin.com/in/pattakit) | github.com/Bossixd

EDUCATION

Georgia Institute of Technology – Atlanta, GA
Bachelor of Science in Computer Science

May 2028

The Newton Sixth Form – Bangkok, Thailand
GPA: 3.94/4.00

June 2024

SKILLS

Languages: Python, C++, JavaScript, HTML, CSS, SQL, Java

Tools: AWS Cloud Computing Services, Jupyter Notebooks, Apache Airflow, Docker, Scrum/Agile, Next.js, Flask

WORK EXPERIENCE

Assistant Data/AI Department Manager, *LearnCloud* – Bangkok, Thailand

August 2023 – August 2024

- Managed a team of **10+** Data Scientists, Data Engineers, Data Analysts, and Interns using JIRA as a managing tool
- Generated English exam questions such as TOEIC and TGAT (Thai General Aptitude Test) using various LLMs such as RoBERTa, T5, GPT, and Llama
- Utilized various AWS Services such as S3, SageMaker, RDS to store data and fine-tune RoBERTa LLM for question augmentation through word replacement
- Created ETL pipelines for data transfer of over **100,000** rows of data between MSSQL databases and departments using Apache Airflow

Platform Engineer, *Big Data Big Impact* | *Protein Synthesis* – Georgia Tech

August 2024 – Present

- Designing application's backend architecture with AWS Cloud Computing as the underlying services
- Utilizing Hugging Face to run protein synthesis model inference and perform protein synthesis simulations

Mentor/Coach, *VEX Robotics Competition* – Dallas, TX

January 2023 – April 2023

- Placed **11th** internationally amongst 34,000 participating students from 50+ countries
- Mentored Juniors in robotic design and programming in Python and C++
- Designed and Prototyped Robots to complete tasks such as collecting discs from a closed dispenser and precisely shooting discs across a field

PROJECTS

Chatbot Application

August 2024

- Utilized Next.js as a framework and PostgreSQL as the database to create a chatbot application
- Deployed the application with AWS EC2 as the host server and AWS Route 53 as the DNS
- Utilized AWS Bedrock's API for Mistral LLM invokes and Pinecone for Retrieval Augmented Generation

Pantry Management Application

July 2024

- Created a pantry management application using Next.js as a framework for both front-end UX and back-end APIs
- Utilized Google Firebase as an object-oriented database

LEADERSHIP AND COMMUNITY ENGAGEMENT

Team Leader, *World Robotics Olympiad* – Bangkok, Thailand

- Placed 4th across Thailand amongst 180 participating students 2021
- Placed 10th across Thailand amongst 240 participating students 2022
- Placed 8th across Thailand amongst 240 participating students 2023
- Designed and Prototyped Robots to complete complex tasks such as precisely placing cubes on elevated planes and differentiating the colors of different objects

Participant, *Thailand Olympiad in Informatics* – Bangkok, Thailand

August 2022 – May 2023

- Studied Data Structures, Algorithms, and Competitive Programming Techniques
- Achieved a placement in the top 0.7% of participants

ADDITIONAL SKILLS AND INTERESTS

Languages: Fluent in **English** and **Thai**; Intermediate in **Chinese**

Interests: Travelling, Gaming, Competitive Programming