Theepakorn Phayonrat

B.Eng in Software Engineering Student @ KMITL

PERSONAL DETAILS

Address	Bangkok, Thailand
Phone	0863930486
Email	pottarrpongs@gmail.com
Language	Thai, English
Github	https://github.com/Pottarr
LinkedIn	https://www.linkedin.com/in/pottarrpongs/

TECHNICAL SKILLS

Languages

- Rust
- Python
- C/C++
- ARM Assembly

Dev Tools

- Neovim
- Git
- Latex
- Linux

EXPERIENCES

Teaching Assistant (Elementary System Programming)   `Jul/2025 - Present`
KMITL

- Lecturer in Pre-Session for new 1st year students during Summer 2025
  Topics:
    - Rust Basic Syntax and Basic Rules of Ownership
    - Struct, Enum and Impl
    - Some Standard Library features
- On-Site Lab Teaching Assistant (Rust)
- Lecturer in Final Exam Preparation Session during Semester 1/2025
  Topics:
    - Trait
    - Iterator
    - Closure
    - Thread Programming

Teaching Assistant (Computer Programming)   `Sep/2025 - Nov/2025`
KMITL

- On-Site Lab Teaching Assistant (Python)

Teaching Assistant (Object Oriented Programming)   `Nov/2025 - Present`
KMITL

- On-Site Lab Teaching Assistant (C++)

ACADEMIC AND PERSONAL PROJECTS

Academic Projects   My best of 1st Year

RUSH - Rust Shell Terminal   `Aug/2024 - Nov/2024`

Elementary System Programming (Rust)

A Terminal Shell with its own GUI written in Rust

GitHub: `https://github.com/Pottarr/RUSH-Rust-Shell-Terminal`

Summary:

- Developed a GUI-based terminal shell with POSIX-like commands.

- Implemented history cache, piping and redirecting into file for the shell.

Academic Projects   My best of 2nd Year

8 Bit CPU Simulator   `Sep/2025 - Nov/2025`

Computer Architecture and Organization

A 8 Bit CPU Simulation made in Hneemann's Digital

GitHub: `https://github.com/Pottarr/8Bit-CPU`

Summary:

- Built a simple CPU simulation with 5 stages of pipeline.

- Developed an assembler for the CPU ISA written in Python.

Personal Projects   My favorite project currently working on

I ASSUME CPU   `Nov/2025 - Present`

Assembly and C

Personal project to simulate a CPU in Hneemann's Digital to sequel of the 8 Bit CPU project

GitHub: `https://github.com/Pottarr/I-ASSUME-CPU`

Goals:

- To simulate a working CPU with its own set of instructions.

- To create a compiler and assembler for the languages (ASSUME languages) written in C.

EDUCATION

B.Eng. Software Engineering   `2024 - Present`

King Mongkut's Institute of Technology of Ladkrabang

GPA: 3.02

Relevant Coursework:

- Computer Programming

- Elementary System Programming

- Computer Architecture ans Organization

- Data Structures and Algorithms

- Web Programming

SMTP Class   `2021 - 2023`

Triam Udom Suksa Pattanakarn School

GPA: 3.88