

# Thamognya Kodi

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## Skills and Courses

<b>DevOps</b>	Docker, Vagrant, Linux, BSD, *Unix
<b>Back-end</b>	SQL, Django, Rocket, Apache2, Nginx, REST API, GraphQL API
<b>Front-end</b>	React, Vue, SASS, Next, Nuxt, WASM (Rust), Bash
<b>Programming</b>	Rust, C, C++, Python, x86-64 ASM, JavaScript, TypeScript, Dart, Java, lua, Using Google, $\LaTeX$
<b>Languages</b>	English, French, Spanish, Telugu, Learning Thai and Greek
<b>Programming Courses:</b>	CS50x, Automate the Boring stuff with python
<b>College Courses:</b>	Calculus (2 dimensional), Linear Algebra, Statistics, Micro and Macro Economics, Chemistry, and Physics 1 via AP Courses

## Honors & Awards

2022	<b>AMC 10 B Perfect Score - National First Place</b> , American Mathematical Competition 10 2021 Fall	Bangkok, Thailand
2022	<b>AIME 2 time Qualifier</b> , American Invitational Mathematics Exam	Bangkok, Thailand
2022	<b>Gold Medal - National First Place</b> , Vanda International Science Competition	Bangkok, Thailand
2021	<b>Gold Medal - National First Place</b> , Copernicus Olympiad - Physics	Bangkok, Thailand
2021	<b>Gold Medal</b> , Copernicus Olympiad - Math	Bangkok, Thailand
2022	<b>Gold Medal - National First Place</b> , PISMO Final Round - Science	Bangkok, Thailand
2022	<b>Gold Medal</b> , PISMO Final Round - Math	Bangkok, Thailand
2022	<b>NYAS Student</b> , New York Academy of Sciences	Bangkok, Thailand
2021	<b>Gold Medal - National First Place</b> , PISMO National Round - Science	Bangkok, Thailand
2021	<b>Gold Medal</b> , PISMO National Round - Math	Bangkok, Thailand
2021	<b>AMC 8 Honor</b> , American Mathematical Competition 8 2020 Fall	Bangkok, Thailand

## Projects and Experience

### Gentoo

GENTOO GNU/LINUX PROXIED MAINTAINER, AND CJK MAINTAINER

- Worked on creating several ebuilds to help install packages
- Worked on creating the package manager Portage to fix bugs and update it's python code.
- Maintainer for terminal-colors, CJK based packages and maintain 25+ packages
- [p.g.o](#)

Online

Dec. 2021 - now

### MOS Technology 6502 8-bit microprocessor Emulator

PROJECT DEV.

- A 6502 emulator in C++

Online

Jul. 2021 - now

### RustyUtils

PROJECT DEV.

- All the GNU CoreUtils in Rust
- <https://github.com/RustyUtils/RustyUtils>

Online

Jul. 2021 - now

### BigLet

PROJECT DEV.

- FigLet but in rust
- <https://github.com/RustyUtils/figlet>

Online

Jul. 2021 - now

### TFetch

PROJECT DEV.

- A macOS and Linux minimal sys-fetching application
- written in C and is resource efficient
- <https://git.thamognya.com/Thamognya/TFetch>

Online

May. 2021 - now

## www.thamognya.com

PROJECT DEV.

- My Personal website written in reactjs (ts) that is currently
- <https://github.com/Thamognya/www.thamognya.com>
- <https://github.com/Thamognya/www.thamognya.com-bac>

Online

Mar. 2021 - now

## PY-simple-neural-network

PROJECT DEV.

- This is a simple python neural network using the perceptron algorithm
- <https://github.com/LowLevelML/PY-simple-neural-network>

Online

Jun. 2022 - Jun. 2022

## unemployment-predictor

PROJECT DEV.

- This is a simple deep learning project.
- <https://github.com/LowLevelML/unemployment-predictor>

Online

Mar. 2022 - May 2022

## Music-Party-App

PROJECT DEV.

- An django application that uses the REST API framework with a frontend react to allow users to use a code to sign in and play songs via a voting system
- written in Python and uses the Django framework with react
- <https://github.com/Thamognya/Music-Party-App>

Online

Mar. 2021 - May 2022

## UniverseVim

PROJECT DEV.

- This is a neovim config I have written in Lua
- <https://git.thamognya.com/Thamognya/UniverseVim>

Online

May. 2022 - Jun. 2022

## WarmHearts Foundation

COMPUTER SCIENCE DEPARTMENT HEAD FOR MIDDLE SCHOOL

- Was the sole computer science teacher and head of department for a middle school here in Phrae , Chiang mai, Thailand for a month.
- Taught Python and JavaScript at an elementary to intermediate level

Chiang mai

Dec. 2021 - Jan. 2022

## Flix Tools

PROJECT DEV.

- In these utilities, I have used GNU utilities to web scrape and play videos
- <https://git.thamognya.com/Thamognya/FlixTools>

Online

Mar. 2022 - May. 2022

# Education

## Ruamrudee International School

HIGH SCHOOL DIPLOMA

- Received maximum academic scholarship. Only 1 person receives it each year.

Bangkok, Thailand

Aug.2021 - now

## Ruamrudee International School

AP COURSES

- I have completed AP Calculus AB, AP Physics 1, AP Statistics, AP Chemistry, AP Macroeconomics, and AP Microeconomics as of my freshman year.

Bangkok, Thailand

Aug.2021 - Jun. 2022

## John Hopkins University - CTY - Central for Talented Youths

CTY COURSES

- I have completed Honor Precalculus, Honor Chemistry, Honor Physics, and Introduction to programming with Java.

Bangkok, Thailand

Aug.2019 - Conti.

## KIS

MIDDLE SCHOOL

- Received maximum academic scholarship. Only 1 person receives it each year.

Bangkok, Thailand

Aug.2018 - Jun. 2021

# Club Committees

May. 2022 **Founder and President**, Math Club and Team - Mu Alpha Theta

Jan. 2022 **Senior Dev.**, The Union Newspaper Club

Aug. - Jun

2022. **Research Member**, STEM Club

Bangkok, Thailand

Bangkok, Thailand

Bangkok, Thailand