



Nguyen Thanh Toan

03/03/2001

0869118227

thanhtoan1742@gmail.com

github.com/thanhtoan1742

SKILLS

Teaching
Programming
English
Responsibility
Flexibility
Teamwork
Problem Solving

EDUCATION

Binh Long
Specialized and
Gifted High
School
Informatics team

Ho Chi Minh City
University of
Technology
*Computer Science
Major
Algorithm Club
ACM team*

PROGRAMMING LANGUAGE

C/C++
Python
Haskell
(Functional
Programming)

SUMMARY

- 3rd year computer science student at Ho Chi Minh city University of Technology.
- 5 years of studying and researching computer science and programming.
- 5 years of using C/C++ and several projects done in C/C++.
- 3 years of using Python and several projects done in Python.
- Used C/C++ and Python to participated in and win several contests.
- Familiar with teaching algorithm, data-structure and programming.

EXPERIENCE

- Participated in several competitive programming contests.
- Represented highschool to compete in the national informatics contest and got third prize.
- Represented university compete in the national and regional ACM-ICPC contest.
- Developed several softwares using Python and C/C++.
- Familiar with teaching, working collaboratively.
- Familiar with working remotely.
- Teached juniors in club programming and algorithm. Some juniors went on and got many good achievements (1st prize and 2nd prize) in national informatics contest.
- Trained team members, helped them develop skills to work in programming project.

PROJECTS

MISP Assembler and Runner (Nov 2019 - Dec 2019)

github.com/thanhtoan1742/MIPS-Runner

- Developed an assembler that translates MIPS assembly code.
- Developed an CLI-based application that runs programs written in MIPS.
- Built in C++.

TECHNOLOGY

Linux
Latex

Simplified Green House Model (*Nov 2020 - Jan 2021*)

github.com/thanhtoan1742/SimplifiedGreenHouseModel

- Developed weather simulation in a greenhouse model proposed by Vanthoor (2011) that helps monitor and predict future weather conditions in a greenhouse.
- Developed algorithm that uses simulated information to predict future weather condition (through a combination of ODE solver and artificial intelligence).
- Built in Python.

ACHIEVEMENTS

- 3rd prize Viet Nam national Informatics contest (2018-2019).
- Participated in national ACM-ICPC contests (2019-2020).
- Participated in national and regional ACM-ICPC contests (2020-2021).
- Codeforces max-rating 1900 (candidate master).