

# THINH NGO DUY

[ngoduythinh250601.github.io/my-CV](https://ngoduythinh250601.github.io/my-CV)

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## EDUCATION

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### FPT University

Bachelor's degree in Artificial Intelligence

*Fall 2019 - Fall 2023*

### Nguyen Binh Khiem Specialized High School

Major: Information Technology

*Fall 2016 - 2019*

## HONORS AND AWARDS

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- **Honorable Mention in the 2022 ICPC Asia Ho Chi Minh City Regional Contest** *2022*
- **Third prize in the 2021 ICPC Asia Hanoi Regional Contest** *2021*  
The International Collegiate Programming Contest (ICPC) is an algorithmic programming contest for college students. Teams of three, representing their university, work to solve the most real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure.
- **Third prize in Vietnamese National Olympiad in Informatics in 2019.** *2019*  
An annual programming contest held by the Ministry of Education and Training for Vietnamese high-school students. This is the preliminary contest for choosing representatives for the International Olympiad in Informatics (IOI).
- **The competition "North Vietnam informatics" issued by Vietnam Informatics Association.**
  - Third prize in 2018
  - Consolation prize in 2017

## PROJECTS

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- **Single Image Super Resolution Project** *Fall 2023*
  - Apply Perceptual Loss and Patch-Mosaic data augmentation on HAT (Hybrid Attention Transformer) architecture and deploy web application for SISR (Single Image Super Resolution) task.
  - Languages/Technologies used: Python
- **Snake Deep Q Learning Project** *Spring 2023*
  - Develop additional wall modes to evaluate the effectiveness of each snake's walking strategy (greedy, hamilton, deep Q-network).
  - Languages/Technologies used: Python
- **Self Driving Car Project** *Summer 2022*
  - Create a mini car product that runs on a 1-lane road with 2 main tasks: lane detection and traffic sign recognition.
  - Languages/Technologies used: Python, C++ (Arduino)
- **OCR (Optical Character Recognition) Project** *2021*
  - Participated in 2 research groups on OCR, working on recognition and output data processing.

- Languages/Technologies used: Python

- **Web & Mobile App Project**

*Summer 2021*

- The application aims to manage students, while helping students easily access the courses of the teachers.
- Languages/Technologies used: Flutter & Dart

## WORKING EXPERIENCE

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- **Artificial Intelligence Engineer at Hodfords**

*1/2024 - 4/2024*

- Research and development of a software that automatically creates visual videos for DJ tracks.

- **Participate in internship in Viettel Digital Talent programs**

*4/2023 - 6/2023*

- Consolidate knowledge of advanced Data Science & AI.
- Research solutions and train models for some practical problems of Viettel Group.

- **Artificial Intelligence Intern at SoundAI - FPT Software HCMC**

*6/2022 - 12/2022*

- Collect audio data for the problem of detecting abnormal sounds.
- Research the tasks of the DCASE2022 challenge to find future development directions.

## CERTIFICATIONS

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- Certificate of Participation in ICPC Asia Ho Chi Minh City Regional *2022*
- Certificate of Participation in Shopee Code League *2022*
- Certificate of Participation in ICPC Asia Hanoi Regional *2021*
- Certificate of Basic training course on Artificial Intelligence in Ho Chi Minh City *2021*
- Certificate of Course Completion Academic Preparatory English issued by FPTU *2020*

### Online Courses

- Certificate of Natural Language Processing issued by Coursera *2023*
- Certificate of Big Data issued by Coursera *2023*
- Certificate of Google Project Management issued by Coursera *2023*
- Certificate of Academic English: Writing issued by Coursera *2022*
- Certificate of AI Foundations for Everyone issued by Coursera *2022*
- Certificate of CertNexus Certified Ethical Emerging Technologist issued by Coursera *2022*
- Certificate of Python for Everybody issued by Coursera *2021*

## SKILLS

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**Programming skills:** C++, Python, Java, Dart.

**Foreign Languages:** English, Japanese.