

# MINH DAT LE

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📍 CT5, My Dinh ward, Nam Tu Liem, Hanoi, Vietnam

## EDUCATIONAL BACKGROUND

- **Marie Curie Secondary School**  
Mathematics Specialized Class | 2016 – 2020
- **Foreign Language Specialized School**  
English Specialized Class | 2020 – 2023
- **University of Florida**  
Computer Science major | 2023 – 2027

## GRADES AND SCORES

- **GPA Grade 9:** 8.7 | **Grade 10:** 8.8 | **Grade 11:** 9.3
- **IELTS:** 7.5
- **SAT:** 1540 (Math: 800 | Verbal: 740)
- **AP:** Calculus BC: 5 | Computer Science A: 5

**Technical skills:** Python, React Native, Java, Matlab, Arduino, Raspberry Pi, Lua

## ACHIEVEMENTS

- **Gold Medal | 1 Idea 1 World Invention & Innovation Competition** 2022  
International innovation competition, aim to promote research in various disciplines to solve global issues.
- **Silver Award | Asian International Math Olympiad (AIMO)** 2022  
The largest Asian mathematical competition for students, attracted nearly 100,000 students from 20 countries.
- **Silver Award | MathematiCo - International Math and Science Competitions (STEMCO)** 2022  
An international Olympiad-style Mathematics competition attracted 5000+ students worldwide.
- **Gold Award | Asian Science Mathematics Olympiad (ASMO) - National Round** 2022  
An international competition focusing on the subjects of Science, Mathematics and English
- **Outstanding Award - National top 1% | ACSL American Computer Science League (Ongoing)** 2022 - Present  
International programming competition with the participation of 700+ teams of high school students globally
- **Top 5 National Finalist | Vin University's Science & Technology Competition (Ongoing)** 2022 - Present  
National competition hosted by Vin University for high school students with innovative ideas

## RESEARCH & PUBLICATION

- **Published Research Paper | Application of Allee effects in cancer treatment** Jun 2021 – Dec 2021  
Research assistant | Published in the Vietnam Medical Journal, issue. 1, no. 519 (print version). Online access via: [shorturl.at/JEFQY](https://shorturl.at/JEFQY)
  - Calculated integral and antiderivative equations
  - Designed the algorithms to simulate and graph the growth of cancer cells

## PRODUCT DEVELOPMENT

- **The 'WILL'CHAIR | Team Project** Oct 2021 – Mar 2022  
A wheelchair controlled by voice and head movement designed for the heavily injured and partial paralyzed patients
  - The project received Gold Medal in the 1 Idea 1 World Invention & Innovation Competition organized in Istanbul, Turkey
- **Bglasses - AI glasses for the blind | Team Project** July 2020 - August 2021  
The glasses are incorporated with an AI camera able to identify objects and inform the owner through a mini speaker, designed to assist the blind in daily life.
- **Bvest - Smart vest for health tracking and guidance | Personal Project** July 2020 – Aug 2021  
A sensor vest that can monitor health information of the user, track their location in cases of emergency, send SOS messages to emergency contacts, and notify user of incoming obstacles.

## INTERSHIPS

- **Research Collaborator | E-Soleil Project: AI in developing Solar energy** Jul 2022 – Aug 2022
  - Labeled data and identifying AI algorithm errors.
  - Attended weekly Artificial Intelligence workshops
- **Research Assistant | HUST's "Internet of Things" Summer training program** Jun 2022 – Aug 2022
  - Attended an 8-week IoT and AI summer training program hosted by Hanoi University of Science and Technology in collaboration with Makipos Electric Company
  - Supported university's seniors and professors in executing graduation projects and thesis

## COURSEWORKS

- **DeepLearning.AI Specialization Online Courseworks | Coursera Certificate**

Nov 2020 – Oct 2021

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
- Structuring Machine
- Convolutional Neural network
- Sequence model

## LEADERSHIPS

- **Founder / President | Crescent Club**

Jul 2020 – Present

*A STEM - charity club dedicated to applying scientific knowledge to improve the lives of the disabled.*

- Organized Computer Science summer courses at Hoang Mai Handicapped Center for 70 participants:
  - Designed curriculum for basic to intermediate Computer Science course
  - Maintained collaborative relationship with the Center's board of management
  - Managed and allocated resources for the workshops.
  - Trained 06 club members to serve as teaching assistants for the workshops
  - Hosted the workshops as the main lecturer
- Coordinated the execution of assistive technology development projects to improve the disabled's life.
  - Drafted ideas and conducted research with club members
  - Drafted blueprints and supervised club members in prototypes creation
  - Managed product usability tests

- **CO-FOUNDER / PRESIDENT | HandIY Club**

Nov 2021 – Present

*A hub for environmental enthusiasts to apply creative and fun approaches to solve environmental problems*

- Managed and trained 34 club personnel
- Allocated resources for club's activities
- Planning and supervising club's events and activities.
  - Coordinated monthly trash collecting events at Hanoi's local parks and residential areas, and taught 32 households to classify and recycle waste using the app "Green Mission".
  - Hosted 03 tutorial workshops on creating mini gardens for small apartments with 67 participants, in collaboration with "Nature Village" (a sustainable agriculture club).
  - Raised \$1000 to organize a Mid-autumn festival with DIY activities (lantern making, mask decorating, mini-games, musical show) and for children in Binh Minh School for the Disabled, Hanoi, and create 80 handmade gifts for disabled children in Dong Anh.

## HOBBIES & INTERESTS

- |          |               |             |
|----------|---------------|-------------|
| • Sports | • Photography | • Billiards |
| • DIY    | • Filmography | • Poetry    |