

NGUYEN HOANG TUNG LAM
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I. RESEARCH INTERESTS

Enhancing Equity in Education through the Integration of Artificial Intelligence in Under-Resourced Contexts: A Case Study of Vietnam and Southeast Asia.

II. EDUCATION

Doctor of Medicine, Hanoi Medical University, Vietnam (2019–2025)

MS in Education – International Teaching and Global Leadership (ITGL) Cohort, Johns Hopkins University (currently enrolled)

III. RESEARCH EXPERIENCE

Co-Author

2018

Collaborative Research Project, Vietnam Nat'l University & Ulsan University

Co-author of Chemistry research paper (Ternary magnetic-polymer Fe₃O₄@PAN@AC cross-coupled in [γ -APTES]-distribution to remove azole compound) published in Journal of the Taiwan Institute of Chemical Engineers

Gold medal

Chemistry Research Assistant

2018

Co-author of Chemistry research paper (Hydrogenation of Carbon Dioxide into Methanol on Co (111) Catalyst: A Theoretical Study) joined International Conference on Advanced Chemistry and Catalysis in Las Vegas (Dec 6-7, 2018).

Gold medal

Biochemistry Research Assistant

International Science and Engineering Fair in Poland (June 2017) and Thailand (February 2018)

2017 & 2018

Wedelolactone from Vietnamese Eclipta postrata decrease gout pain via NLRP3 inflammasome suppression.

Gold medal

Research Assistant

2017

International Science and Engineering Fair in Thailand

Removing acid from custard-apple peels to make functional medicine more affordable for diabetes.

Gold medal

IV. PUBLICATIONS/BOOKS

Educational Books

Nguyen Hoang Tung Lam. (2018). *108 Primary Geometry Exercises*. VNU Publishing House; over 1,000 copies sold.

Nguyen, Hoang Tung Lam. (2018). *Our Universe*. 100-page book written in Braille.

Achievements

Self-published *108 Primary Geometry Exercises* (2018), over 1,000 copies sold.

Authored a 100-page Braille astronomy book (*Our Universe*, 2018), supporting visually impaired students.

V. ARCHIEVEMENTS/ AWARDS

Japan Design, Idea & Invention Expo – Gold Medal

2018

Project: Anti-inflammatory and anti-insulin resistance activities of Andrographolide from Vietnamese *Andrographis paniculata*

World Invention Creativity Olympic (WICO), Korea – Gold Medal

2017

Role: Participant

Project: Extracting antibody from soot trees to reduce gout pain

International Science and Engineering Fair, Poland – Platinum Medal

2018

Role: Participant

Project: Healthcare with *Momordica* coincidences

Thailand Inventors' Day - Gold Medal

2024

Japan Design, Idea & Invention Expo - Gold Medal	2021
Vietnam Mathematical Olympiad (VMO)	2019
Contestant - Result available	
International Astronomy Olympiad in China and Sri Lanka - Bronze Medal	2017 & 2018
Hanoi City Mathematics Olympiad - First Prize	2018
International Mathematics Tournament of the Towns (ITOT) - First Prize	2016-2017
American Mathematics Competition - Gold Medal	2016-2017
Australia Mathematic Competition - Gold Medal	2016-2017
Vietnam Mathematical Olympiad (VMO) - First Prize (youngest contestant)	2017
Asian-Pacific Astronomy Olympiad - Bronze Medal	2017
Hanoi Open Mathematical Olympiad (HOMC) - Gold Medal	2015 & 2017
Hanoi Casio Mathematics Competition - First Prize	2015-2016
National Casio Mathematics Competition - Third Prize	2015-2016
Hanoi City Mathematics Olympiad - First Prize	2015-2016

VI. OTHER HONOURS

Top scorer in the high school entrance examination	2016-2017
Direct Admission Offers from:	2016-2017
High School for Gifted Students – Hanoi University of Science (VNU)	
High School of Education Sciences (VNU)	
Kim Lien High School, 2016–2017	
Scholarship Recipient , Institute of Advanced Mathematics for the National Curriculum (awarded for 3 consecutive years)	2016-2017
Odon Vallet Scholarship Recipient (awarded for 3 consecutive years)	2016-2017
Hanoi City Student Representative for 4 consecutive years	2016-2017
Certificate of Merit from the Minister of Education and Training for the Bronze Medal at the Asia-Pacific Astronomy Olympiad and International Astronomy Olympiad	2016-2017
Certificate of Merit for Academic Achievement and Creative Performance, awarded by the Minister of Education and Training	2016-2017
National Outstanding Student Representative, Vietnam	2017-2018
Certificate of Merit from the Minister of Education and Training for the Platinum Medal at the International Science and Engineering Fair in Poland	2018-2019
Certificate of Merit from the Minister of Education and Training for the First Prize at the Town Mathematics Olympiad (Grade 12)	2019

VII. LEADERSHIP/TEAM EXPERIENCE

Head of Researcher Team, Research Institute of Creative Education (RICE), Vietnam	2019–Present
Researched and developed math, science, and English exams for high school students.	
Organized surveys and evaluated student exams.	
Built and connected networks of educational and scientific organizations	
Co-Chief Executive Officer, QCOne Group Pharmaceutical & Cosmetics Biology Company Limited, Vietnam	2024
Researched and expanded product distribution networks nationwide.	
Trained and guided customer management department to deliver products to consumers.	
Collaborated with specialized departments to develop new product lines suitable for Vietnamese customers.	
Team Manager, Vietnam Team, International Olympiad in Artificial Intelligence, Bulgaria	2024
Coordinated program content for the Vietnamese delegation.	
Developed national selection rounds and oversaw international competition preparation.	
Supervised evaluation and collaborated with instructors to improve team presentations.	
Instructor / Team Manager, Vietnam Team, Silicon Valley International Invention Festival (SVIIF), USA	2024
Designed presentations and assigned roles for research projects.	
Guided team on applying AI to online library and information systems.	

Team Manager, Vietnam Team, AI for Good Global Summit, Geneva, Switzerland	2024
Oversaw evaluation and guided teams before presentations.	
Discussed research themes with instructors to improve team output.	
Team Manager, Vietnam Team, Thailand Inventor's Day	2024
Guided 15 research teams from Vietnam in international competition.	
Organized and prepared events throughout contest days.	
Secretary, AI for Good Global Summit, Geneva, Switzerland	2023
Proposed recommendations from union members to the delegation.	
Directed group activities and managed union members' responsibilities.	
Co-Leader, Vietnam Team, International Astronomy Olympiad, Beijing, China	2023
Recruited, trained, and led the team.	
Managed technical and expertise aspects of competition.	
Member, Jury Board, INTARG Poland (14th–15th edition)	2021–2022
Evaluated quality of participants' projects at the International Invention and Innovation Show.	
Leader, Vietnam Team, Japan Design, Idea & Invention Expo	2021
Designed presentations and delegated responsibilities for research and presentation.	
Leader, Vietnam Team, International Science and Engineering Fair, Poland	2017–2018
Directed team preparation and reviewed other groups' presentations.	
Organized contest-day logistics and activities.	
Leader, Vietnam Team, World Invention Creativity Olympics (WICO), Korea	2017
Directed review and advised teams before presentations.	
Coordinated with professors to improve team research and presentations.	
Founder / President, Hanoi-Amsterdam Astronomy Club, Hanoi, Vietnam	2017–Present
Organized lectures and seminars with university professors.	
Gained permission to use observatory telescope for events.	
Organized field trips and managed 20 members with 100+ volunteers	
President, Future Lighting Club – Charity & Volunteer Program for Blind Students, Hanoi, Vietnam (2017–2018)	2017–2018
Created scholarships and purchased computers for underprivileged students using contest funds.	
Raised funds through strategic partnerships with other non-profit organizations.	

VIII. RELEVANT EXPERIENCE/PROFESSIONAL EXPERRIENCE

Head of Researcher Team	2019 - now
Research Institute of Creative Education - RICE	
Research and develop math, science, and English exams for high school students.	
Organize surveys and evaluate math, science, and English exams for high school students.	
Set up and connect networks of educational organizations and scientific and technical organizations.	
Co-Chief Executive Officer	2024
QCOne group pharmaceutical cosmetics biology company limited	
Research and expand product distribution network to localities across the country.	
Train and guide the customer management department in bringing products to consumers.	
Cooperate with specialized departments to research and develop new product lines suitable for Vietnamese customers.	
Team Manager, Vietnam Team	2024

International Olympiad in Artificial Intelligence, Burgas, Bulgaria

Responsible for contacting and developing program content for the Vietnamese delegation with the IOAI Organizing Committee.

Developing content and regulations for the National round and selecting teams to participate in the International round in Burgas, Bulgaria.

Oversaw evaluation and discussed themes with instructors to receive feedback to improve team presentations.

Instructor, Vietnam Team**Silicon Valley International Invention Festival (SVIIF), United State**

2024

Designed the presentation.

Assign roles and responsibilities to team members to conduct research and present on the application of artificial intelligence to online library and information site applications for students.

Team Manager, Vietnam Team**AI for Good Global Summit, The International Conference Centre Geneva (CICG), Geneva, Switzerland**

2024

Oversaw evaluation and provided guidance to other Vietnam groups before to presentations.

Discussed themes with instructors to receive feedback to improve team presentations.

Team Manager, Vietnam Team**Thailand Inventor's Day**

2024

Directly guided 15 scientific research teams of Vietnam in competing in the Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition.

Organized and prepared events throughout contest days

Secretary**AI for Good Global Summit, The International Conference Centre Geneva (CICG), Geneva, Switzerland**

2023

Reflected and proposed recommendations of union members to the superior delegation .

Oriented group activities and managed union members' work.

Co-Leader, Vietnam Team**International Astronomy Olympiad Beijing, China**

2023

Recruited, trained and led the team to participate in the competition.

Responsible for the expertise aspect.

Member, Jury Board**14TH – 15th edition of INTARG Poland**

2021&2022

Evaluated the quality of the topics submitted by participants of the International Invention and Innovation Show.

Leader, Vietnam Team**Japan Design, Idea & Invention Expo**

2021

Designed the presentation.

Allotted roles and responsibilities to team members for conducting research and presenting the subject.

Leader, Vietnam Team**International Science and Engineering Fair, Poland, Katowice, Poland**

2017-2018

Directed review and gave advice to other Vietnam groups before presentations.

Organized and prepared events throughout contest days.

Leader, Vietnam Team**World Invention Creativity Olympics (WICO), Incheon, Korea**

July / 2017

Directed review and gave advice to other Vietnam groups before presentations.

Communicated with professors on different topics to get comments to enhance team presentation.

Founder/President**Hanoi-Amsterdam Astronomy Club, Hanoi, Vietnam**

2017 – Present

Organize lectures and seminars from professors in different institution.

Gained permission from the observatory at the Hanoi National Education University to use telescope for events.

Organize fieldwork trips to different locations to learn about astronomy and technological equipment.

Recruited & managed 20 members and over 100+ volunteers for events

President**Future Lighting Club – charity & volunteer program for blind students, Hanoi, Vietnam**

2017-2018

Used scholarships from various math contests and national scholarships to create scholarships for blind students and buy computers for poor students.

Raised funds through strategic partnerships with other non-profit organizations.

IX. SKILLS**1. Research Skills**

- Research design & methodology
- Qualitative/quantitative analysis
- Academic writing

2. Soft Skills

- Academic presentation
- Critical thinking
- Project management
- Collaboration & communication

X. CERTIFICATION/TEST

- IELTS: 7.0

- Exceptional GRE results: Quantitative 169 (Top percentile), Verbal 162, AWA 4.0 — August 2025.