



## DO HOANG GIA HUY

### CONTACT DETAILS

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### EDUCATION

Hanoi Amsterdam High School for the Gifted | 09/2019 – 05/2021

- 12<sup>th</sup> grade GPA: 9.6/ 10
- 11<sup>th</sup> grade GPA: 9.6/ 10

IELTS | 18/7/2020

- 7.0/ 9.0

SAT | 2020

- 1450/ 1600

SAT Subjects Math II & Physics | 2020

- 800/ 800

AP Calculus BC | 6/2021

- 5/ 5

### HONORS AND AWARDS

- **Third Prize** - National Olympiad for Mathematics 2020
- **Outstanding Student Award** by Hanoi Department of Education and Training 2020
- **First Prize** - Hanoi Open Mathematics Competition 2019
- **Third Prize** - Hanoi Municipal Competition for Gifted Students 2019
- **Third Prize** - Mathematics Competition for the Gifted 11 Graders in Northern Delta and Coastal Areas 2019
- **Outstanding Student Award** by Hanoi Department of Education and Training 2019
- **Honors Scholarship** for young gifted students by Vietnam Institute for Advanced Studies in Mathematics 2018 - 2019
- **Second Prize** - Hanoi Mathematics Competition for the Gifted 2018
- **First Prize** - Dong Da District Secondary School Mathematics Competition 2018
- **Third Prize** - Dong Da District Secondary School Physics Competition 2018

### LEADERSHIP

Leader | STEM Project on hydraulic-driven robot | 09/2019 – 03/2020

*This project aimed to develop an environmentally friendly machine using water to replace fossil fuel in logistics.*

- Designed and built a solid hydraulic-driven robot model from cheap and recycled materials (bottle caps, cardboards, old batteries, used wood sticks)
- Researched to improve efficiency of the model and sketched a blueprint for the machine to be used in logistics
- Drew poster of the model and published research on positive impacts of hydraulic-driven robots on environment
- Published the model and filmed an introductory video for the product on YouTube ([https://www.youtube.com/watch?v=yedv-pJHY\\_0](https://www.youtube.com/watch?v=yedv-pJHY_0))

Co-founder | TrioGanz Group | 09/2020 - present

*This group inspires young Vietnamese by showing Hip-hop music facts and news, public own-written rap songs and music videos.*

- Compose rap songs, mixed and mastered music
- Provide facts and information on history and features of American hip-hop to Vietnamese teenagers and young adults via Facebook
- Link to page  
<https://www.facebook.com/TrioGanzHipHop/>

Trainer, Core team | Hanoi - Amsterdam's Badminton club  
| 05/2018 – 08/2020

*The club is for badminton enthusiasts to improve health and compete in Municipal tournaments, a place to exchange and make friends with those of the same interest.*

- Hosted weekly meetings and training sessions for club members
- Trained members on new techniques and strategies
- Organized Open HA Badminton competition for 9-12 graders in Hanoi
  - Set up courts and match schedules
  - Acted as a referee
- Coached and led the club's team in district and city badminton competitions

## INTERNSHIP

**Teaching Assistant | Color of Math Center | 03/2020 – present**

- Supervise 6th and 7th graders (35 students per class) during class hours
- Grade students' homework and provide feedback on their answers
- Administer and mark students' monthly progress tests

**Math Tutor for a 7th grader 2 hour/ week | 06/2020 – present**

- Improve his basic knowledge of algebra and geometry
- Prepared him for exams at school
- Encourage him with tricky math quizzes

## VOLUNTARY WORK

**Volunteer | North Vietnam summer charity campaign | 6/2018 – 08/2018**

- Collected clothes, used books and donated money from friends, family and other people through media and social networks
- Separated clothes into different size categories and gave clothes, food, milk and cash to small children in charitable houses in 4 towns in North Vietnam

## INTEREST

- Playing the piano and guitar
- Programing and designing
- Magic trick performing

## RESEARCH AND BOOKS

**Co-author with Nguyen Duy Khuong | “Sharpening Geometry through transformative ratio problems” | 03/2020 – 03/2021**

- Compiled theories and composed problems for 3 chapters of shape's area, Thales' theorem and similar triangles
- The book published in March 2021

**Author's Assistant | Geometry for High School Gifted Students book written by Mathematician Nguyen Van Linh | 06/2019– 06/2020**

- Created 39 solutions on chapters of Inversion, ERIQ theorem and harmonic pencils of lines
- Displayed the solutions on 20 pages in LaTeX
- Proofread drafts
- My name was stated under each solution and in the Acknowledgement

**Math Article Writer | Geometry Series for Math and Youth Magazine | 01/2020 – 04/2020**

- Solved and expanded 5 results for the math problem in China Team Selection Test 2013
- Shared resources on geometry and created math challenges for readers

**Writer | Roads to Olympiad Geometry journal | 03/2020 – present**

- Create math challenges for readers
- Inspire readers with creative math quizzes

## SPORTS

**Winger for Galaticos team | Hanoi-Amsterdam Soccer Cup 2019**

- Won 9 out of 10 matches of the League, achieved Second prize
- Awarded “Player with the most assists of the League” and “Most Goals Scorer”

**Winger for Ajax team | Soccer Cup for Gifted Students in Hanoi | 2019**

- Achieved one of three best all-stars team and first team of my high school to reach top 8

**Basketball | Nguyen Truong To Middle school basketball team | 2018**

- Second Prize - Nguyen Truong To Middle School Basketball Championship 2018
- Defeated 8 teams in 8 consecutive games

## OTHER ACTIVITIES

**Website Designer | 8/2020 – now**

- Build websites and publish self-taken photos about Vietnam's life and culture in a mini art gallery (Link: <https://jaweee.netlify.app/>)
- Create an e-portfolio website (Link: )

**YouTuber | 12/2019 – now**

- Make vines and videos about tricks and magic using Adobe Premiere
- Remake songs and produce music with FL Studio
- Write rap songs and make MVs on YouTube and SoundCloud
- Link to page:  
<https://www.youtube.com/channel/UCAfIleE37IOeJFQMICNDDw>

**Amateur Photographer | 2014 – now**

- Take pictures of nature and landscape
- Edit photos with Adobe Photoshop