DO HOANG GIA HUY

Bachelor of Science in Computer Science
Denison University

I am a passionate, motivated self-learner who enjoys taking on new challenges and solving unique problems. My aspiration is applying the knowledge of mathematics into designing useful products, and leading the world technology revolution after the pandemic.

Personal Info

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LinkedIn
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E-porfolio
https://do-hoang-gia-huy-portfolio-website.netlify.app

Education

IELTS
7.0/ 9.0

SAT
1450/1600

SAT Subjects Math II & Physics
800/ 800

AP Calculus BC
5/ 5

Skills

Assistant Teaching
Researching
Programming
Book writing
YouTube editing
Music Producing

Programming

Java
Full-Stack
HTML/CSS

Python
React.js
JavaScript

AWARDS

2020
- **Third Prize** - National Olympiad for Mathematics
- **Outstanding Student Award** by Hanoi Department of Education and Training
- **First Prize** - Hanoi Open Mathematics Competition

EXPERIENCE

09/2021 - Present
Research Assistant
VinUniversity
- Researching on application of Federated Learning in Smart health
- Research potential applications for FL and Differential Privacy in protecting sensitive data from hospitals.
- Find solution for the Yao's millionaires' problem.

12/2021 – 02/2022
Student Ambassador
VinFuture Prize
- Welcoming, supporting, and interacting with world-renowned scientists during their stay in Hanoi for the VinFuture Awards.

07/2020 – 08/2020
Researcher
Math and Science Summer Program
- Conducted research on Trees and coding applications
- Wrote research report made presentation on findings via Zoom publicly
- The research is going to be published on Pi Math magazine

03/2020 – 03/2021
Co-author
"Sharpening Geometry through ratio problems" by Nguyen Duy Khuong
- Compiled theories and composed problems for 3 chapters
- The book published in March 2021

01/2020 – present
Math Article Writer
Geometry Series for Math and Youth Magazine & Roads to Olympiad Geometry Journal
- Solved and expanded 5 results for the math problem in China TST 2013
- Shared resources on geometry and created math challenges for readers

8/2020 – present
Website Designer
- Create an e-portfolio website (Link: https://do-hoang-gia-huy-portfolio-website.netlify.app)
- Build websites and publish self-taken photos about Vietnam's life and culture in a mini art gallery for international visitors (Link: https://jaweee.netlify.app/)

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

- Lead the team to develop an environmentally friendly machine using water to replace fossil fuel in logistics.
- Divide tasks and supervise the process of designed and built model, and published research.

03/2020 – present

Teaching Assistant & Tutor
Color of Math Center
- 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

♡ Volunteer

06/2020 – 08/2020

Community Volunteer
North Vietnam summer charity campaign
- 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

12/2021 – 02/2022

Student Volunteer
Vietnam Institute of Science and Health Care
- Distributed free meals to COVID-19 patients at hospitals, delivered utensils and food to people in concentrated quarantine areas, assisted health workers and guided people at the vaccination sites