

# Thanh Tam Do

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## WORK EXPERIENCE

### **Houston Community College, Houston, Texas**

March 2024 - Present

#### Mathematics Tutor I

- Provide one-on-one and group tutoring sessions for students in subjects including linear algebra, geometry, trigonometry, and calculus.
- Develop customized lesson plans based on individual student needs and learning styles.
- Utilize various teaching methods such as visual aids, interactive activities, and real-world examples to enhance understanding.
- Prepare students for standardized tests and assist with homework assignments and exam preparation.

### **Computer Science Club of Le Quy Don High School for the Gifted, Da Nang**

June 2021 – June 2022

#### Research Assistant

- Developed and implemented machine learning models to solve real-world problems, enhancing the accuracy of predictive algorithms by 15%.
- Conducted research and experimentation in computer vision, contributing to the development of an object recognition system that was integrated into a school project for visually impaired students.
- Collaborated with a team of peers to design AI-driven solutions, leveraging technologies such as TensorFlow and Python to analyze and interpret complex data sets.

### **Mathematics Club of Le Quy Don High School for the Gifted, Da Nang**

June 2020 – September 2021

#### Mathematics Tutor

- Assess students' progress throughout tutoring sessions.
- Provide private instruction to individual or small groups of students to improve academic performance, improve occupational skills, or prepare for academic tests.
- Review class material with students by discussing text, working solutions to problems, or reviewing worksheets or other assignments.
- Provide feedback to students, using positive reinforcement techniques to encourage, motivate, or build confidence in students.

## EDUCATION

### **Houston Community College, Houston, Texas**

August 2023 - Present

Associate in Science, Computer Science, 4.0 GPA

### **Le Quy Don High School for the Gifted, Da Nang, Vietnam**

September 2020 – May 2023

High School, Mathematics, 3.84 GPA

## HONORS AND AWARDS

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|---|------------------------|
| • Dean's List (Fall 2023, Spring 2024)                                |                        |
| • First Prize in Mathematics in the city-level excellent student exam | August 2019 – May 2020 |
| • First prize in the city-level science and technology competition    | August 2021 – May 2022 |
| • Second prize in the city-level Youth Informatics Competition        | August 2021 – May 2022 |
| • Third prize in Mathematics in the city-level excellent student exam | August 2022 – May 2023 |

## SKILLS

- Technical: C/C++, Python, OpenCV, NumPy, Git, HTML/CSS, ROS, Microsoft Office Suite (Word, PowerPoint, and Excel)
- Language: English (Fluent), Vietnamese (Native)