

# Hiep Nguyen

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## Education

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**Foreign Trade University**, BS in International Business Economics Sep 2022 – Now

- GPA: 3.64/4.0 - Econometrics (9/10), Advanced Mathematics (10/10), Probability and Statistics (10/10), Database Fundamentals (10/10), Programming for Scientific Research (9/10)

**Ha Tinh High School for the Gifted**, Specialized Mathematics Class 1 Sep 2019 – Jun 2022

- GPA: 9.4/10.0

## Experiences

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**Research Consultant**, WorldQuant BRAIN Oct 2024 – Now

- Analyzed financial data and provided investment strategies using mathematical models for WorldQuant BRAIN
- Evaluated the performance of investment strategies through backtesting and historical data analysis, optimized investment strategies to enhance performance and reduce risk.

**Teaching Assistant**, MathExpress Dec 2023 – Nov 2024

- Taught students to prepare for entrance exams to specialized high schools for grade 10
- Assisted in lesson preparation and grading Math exams
- Tutored a total of 5 students and prepared over 20 mock tests for specialized school entrance exams

**Research Paper** Dec 2023 – Feb 2024

- Forecasting Vietnam's coffee export volume in the first half of 2024 using the AR model
- Building an ARCH model for forecasting Vietnam's GDP growth rate in the first two quarters of 2024

## Technical Skills

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**Tech:** Python, SQL, C++, Jupyter, LaTeX, VSCode

**Knowledge:** Machine Learning, Deep Learning, Statistical Methods, Probability

## Certificates

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**WorldQuant Brain:** Gold Level – WorldQuant Challenge (Certificate of Accomplishment)

## Achievements

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- Silver Medal for Group A Algebra, Vietnamese Mathematical Olympiad for college students 2025
- Bronze Medal for Group A Calculus, Vietnamese Mathematical Olympiad for college students 2025
- Silver Medal for Group A Algebra, Vietnamese Mathematical Olympiad for college students 2024
- Bronze Medal for Group A Calculus, Vietnamese Mathematical Olympiad for college students 2024
- Silver Medal for Group A Algebra, Vietnamese Mathematical Olympiad for college students 2023
- Second Prize, Vietnam Mathematical Olympiad 2022 (The 11st)
- Participated in the Team Selection Test for the International Mathematical Olympiad 2022
- First Prize, Ha Tinh Mathematical Olympiad 2022
- Second Prize, Vietnam Mathematical Olympiad 2021
- Participated in the Team Selection Test for the International Mathematical Olympiad 2021
- First Prize, Ha Tinh Mathematical Olympiad 2021
- Gold Medal, Final Mathematical Cup Senior 2021
- Aluminum Compass, Iran Geometry Olympiad 2021
- Gold Medal, Mathematical Young Talent Search 2019