

# HONG NGUYEN

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## EDUCATION

**B.Sc. in Mathematics and Informatics**, *Hanoi University of Science and Technology* ..... 09/2018–05/2023  
CPA: 3.14/4.0 (7.91/10.0)

**Exchange student**, *Technical University of Munich (TU Munich)*, Germany ..... 10/2021–03/2022  
GPA: 1.0/1.0

## EXPERIENCES

**Management Associate** (competitive acceptance **rate: 1%**) Techcombank, Hanoi, Vietnam .... 01/2024–present

- Worked as Business Analyst in a strategic project which helps Techcombank significantly got the **Top 1** Current Account Saving Account (CASA) in Vietnam
- Worked with both on-premise and cloud environments, DevSecOps tools, security governance, IaC, etc (Automated 2 workflows **reducing 80%** effort)
- Working as Backend developer in building, maintaining and scaling APIs and services to handle banking operations

**Volunteer**, International Centre for Interdisciplinary Science and Education (ICISE), QuiNhon 09/2023 - 12/2023

- Assisted with all logistical and administrative arrangements for all events hold at ICISE.
- Automated and commercialized two manual procedures, improving accuracy and reducing processing time by 95% compared to manual methods.

**Data Scientist**, Risk Modeling Division, MB Bank, Hanoi, Vietnam ..... 06/2023–09/2023

- Monitored scorecard risk/business model reports, including application, behavior, and collection scores
- Verified, analyzed and evaluated the effectiveness of internal/external models

## HONORS AND AWARDS

**Grounded Innovator & Captivating StoryTeller**, at Design Thinking Post-session, Techcombank .... 10/2024

**Travel grant award**, International Graduate Summer School on Stochastic Finance ..... 06/2022-07/2022

- The scholarship supported traveling expenses and meals for outstanding students.
- Studied advanced courses regarding Stochastic Finance for pre-master students.

**Excellence scholarship (top 1% students)**, Hanoi University of Science and Technology (HUST) ..... 2022

- Scholarship for excellent students based on academic performance.
- 1% received this honor.

**Research scholarship**, Vietnam Academy of Science and Technology (VAST) ..... 08/2022–11/2022

- Scholarship for outstanding seniors who are potential in academic research at the Institute of Mathematics.

**Erasmus+ scholarship** (€6.600), Exchange study at TU Munich ..... 10/2021–03/2022

**Travel grant award**, The 8<sup>th</sup> Vietnam Summer School of Science ..... 12/2020

- The scholarship is to inspire and support young Vietnamese generations who are potential and keen as well as full of passion on pursuing research as a career.

**Gold honor**, International Youth Math Challenge (IYMC) ..... 12/2020

**Consolation prize**, 36<sup>th</sup> Student Research Conference of HUST ..... 05/2019

**Students with 5 good merits**, at university/city level ..... 2018-2021

## WORKSHOP PRESENTATIONS

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- [1]. **H. Nguyen** and T.-H. Pham, “Bi-level optimization in cooperative bargaining framework for portfolio optimization: Optimal Asset VN30 Allocation,” in *21<sup>st</sup> Workshop on Optimization and Scientific Computing held by Institute of Mathematics, Vietnam Academy of Science and Technology (VAST)*, Hanoi, April 20–22, 2023.
- [2]. **H. Nguyen** and H.-D. Luu, “Ergodicity economics: Cooperation game and finding the optimal strategy for rebalanced portfolio,” *Research Conference of the Institute of Mathematics (VAST)*, Hanoi, Nov. 18, 2022.

## SKILLS

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- Programming: Java, Python (intermediate), Power BI
- Tools: Gitlab, Docker, Ansible, Jenkins, Nexus, SonarQube, Vault, ArgoCD, MS Office
- Languages: English (IELTS **Overall**: 6.0 Listening: 5.5 Reading: 6.0 Writing: 6.0 Speaking: 5.5 )

## EXTRA-CURRICULAR ACTIVITIES

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### Bingo Pluralsight learning campaign IT Division, Techcombank

- Engaged learning rate from 43% to 87% in 6 weeks.
- Increased average learning time by 4 times, from 1.5 hours/learner/month (before campaign) to 6 learning hours.

### Vietnam Summer School of Science 2022/2023/2024 (VSSS)

- Member of a local committee to organize summer schools annually for over 20 lecturers and 150 outstanding official students who have not been Doctors of Philosophy yet.
- Team leader led a team of volunteers, and managed roles in logistics, media, external relations, design, and communications.

### International Youth Math Challenge (IYMC)

- Ambassador Award for Excellent Encouragement IYMC 2021 for inspiring many students for mathematics and encouraging them to participate in IYMC 2021/2022.
- Engaged students in science and raised awareness for mathematics competitions.

### Youth Volunteer Campaign 2021

- Imported resident’s vaccination data on online system during covid -19 pandemic.
- Got nasopharyngeal swab in Hanoi during covid – 19 pandemic.

### Vietnam Institute for Advanced Student in Mathematics

- Team leader Math Open Day 2018 – over 2000 participants.
- Team leader Math Open Day 2019 – over 2500 participants.

### Let’s Do It Hanoi

- Team leader World Cleanup Day 2018.
- Team leader World Cleanup Day 2019.

### Vietnam Museum of Ethnology

- Team leader led over 10 volunteers on Mid – Autumn Festival 2019 – over 6000 visitors.
- Shared the culture of Vietnam’s 54 ethnic groups with visitors.

## REFERENCES

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### Dr. Hoang Duc LUU

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### Dr. Thi Hoai PHAM

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