# QUE HOANG-PHUONG VU

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## EDUCATION

**PHD in Economics**                                                              *July 2014 – Aug 2019*
*Singapore Management University, Singapore*
**GPA 3.62/4**

**MBA**, **Finance and International Business**                                    *July 2008 - Feb 2010*
*Nanyang Business School, Nanyang Technological University, Singapore*
**GPA 4.36/5**- **Dean's List**

**Bachelor of Economics, Finance and Banking**                                   *June 2002 - June 2006*
*Banking Academy of Vietnam, Hanoi, Vietnam*
**GPA 8.88/10** – **Summa cum Laude** (top student of the batch)

## TEACHING EXPERIENCE

- **Adjunct Faculty**                                                            *Jan 2020 - now*
  School of Economics
  Singapore Management University

- **Graduate Instructor**                                                        *2018-2019*
  Intermediate Mathematics for Economics

- **Teaching Assistant**, prof Ismail BAYDUR                                     *2016 – 2018*
  - Intermediate Macroeconomics
  - Advanced Macroeconomics

- **Research Assistant**, prof Anthony S. TAN                                    *2014 - 2016*

## RESEARCH / PUBLICATIONS

- "***Quantitative Effects of Two Kinds of Robots in a Neo-Classical Growth Model***", PHD Thesis
  Supervisor: Professor HOON Hian Teck
  Interim Dean, School of Economics
  Professor of Economics, Singapore Management University

  *The thesis researches the impacts of robots on the growth of the economy, the worker's wage, consumption, and lifetime welfare, by using a standard neoclassical growth model with two different kinds of robots. Additive robots are perfect* substitution *of human labor while Multiplicative robots only can augment the human labor. The prevailing main result is that even in the case with no population growth and technical progress, the application of robots is enough to create long-term economic growth. However, the presence of Additive Robots solely makes wage jumps down and then stays constant throughout while utilization of Multiplicative Robots alone can increase productivity thus real wage increases fast over time.*

- *"Two kinds of Robots in Declining Population: A Japan case", Working paper 2019*

  *When both types of robots are applied in the economy with a shrinking population, motivated by the case of Japan. Under the perfect homogeneous labor market, there will be a shift of workers from jobs that can be substituted by additive robots to jobs that can be supported by multiplicative robots. This enables Japan to continue to enjoy the perpetual growth in real wage, consumption and wealth even after the labor market has finished its adjustment. However, as the interest rate would slowly decrease, proportionate to the decline of the population, there would be a point where it is no longer profitable to adopt robots although it would take a long time for the economy to face that issue.*

- **"Inflation Targeting policy: Empirical International experiences and lessons for Viet Nam",** Vietnam Banking Review, Issue 1&2, 2006, Vietnam Economics Review, Issue 2, 2006.

  *After 10 years of opening the economy, Viet Nam was facing a thread of double digits inflation again. Viet Nam used to use a multi-target monetary policy emphasizes on short-term economic growth (GDP). This research was a frontier to point out a totally new direction in which price stability should be the sole focus, believing that would be benefit in long-term.*

- "*Options pricing modeling: Practices and Solutions for Vietnam financial market*", Thesis Collection, Banking Academy of Vietnam, 2006.

  *At the time when the financial market in Vietnam was still at an early stage without many derivatives products for the risk management process and for investment purposes. This research was the first which questioned the abilities to apply different pricing methods to options contracts to make them more attractive to investors and users.*

# AWARDS & HONORS

- Certificate of Merit awarded by the Director of Banking Academy for Academic Excellence in 2002-2006 course, 2006

- Certificate of Merit awarded by Hanoi City Council for having graduated as the Academy's top student of the batch, 2006.

- Second prize in Vietnam's "Student's Scientific Research" contest, national level, 2005.

- Second prize in "Technical Creation VIFOTEC" awarded by Vietnam Fund of Technical Creations, 2005

- First prize in "Student's Scientific Research" contest, university level, 2005.

- Scholarship awarded by the Governor of the State Bank of Vietnam for great achievements in study and self-improvement, 2005.

- Certificate of Merit awarded by the Students' Union for significant contributions, 2004

## PROFESSIONAL EXPERIENCE

**CREDIT ANALYST – Bloomberg LP**                                *Apr 2010 – Mar 2013*

- Conduct due diligence and do a comprehensive analysis of capital structures (esp. Debt structure) and corporate structures. Covering Australia, India, Vietnam and Indonesia markets (***including Sovereigns***)

  - **Ranking – Debt structure**
  - **Debt capability, Debt instruments**
  - **Collateral & Covenants**

  - **Balance Sheet & Cash flow analysis**
  - **Corporate structure and Recourse**
  - **Rating history**

- Suggest standards specifically to markets and industries: To include LC facilities for Indonesia or rolling facilities for India market into Debt capability, to differentiate in Public Deposits for nonbank financial companies and industrial companies...

- Improve workflow efficiency through collaboration cross departments, cross countries by building standard formats that enable mass updating, reduced the time requests being processed from 10 days to 2 days.

- Work together with Sales and News in expanding business in Vietnam by building relationships with clients, prospected clients and third-party sources in Vietnam.

- Rank #1 in APAC for vendor training. QC vendors for simple companies.

**EQUITY SECURITIES ANALYST - AnBinh Securities JSC, AnBinh Group, Vietnam** *Aug 2007 -May*

*2008 Team Leader of Equity Securities Research Team* - Lead a team of 5 analysts

- Contributed to boost 20% profit for Investment portfolio by establishing the company's first database which enables analysis using different valuation models

  - **Growth Estimating** (Historical Time Series Analysis, Comparison methods)

  - **Equity Valuation** (Dividend discount model, FCFE Discount model, Relative valuation models)

  - **Industry Analysis** (specialized in Financial sector)

- Made daily and weekly reports of stock market movements, analyzing possible causes and applications on company investment activities.

*Manager Assistance - Research & Analysis Department*

- Member of 2-person team to form the Department from scratch (expanded department to 10 people)

- Helped the company to stay competitive by preparing monthly competitors analysis including both financial analysis and Services provided analysis.

- Supported Risk Management Department in portfolio management practices: performance measurements and Risk analysis to lock profit and loss.

**INVESTMENT ANALYST - AnBinh Bank JSC, AnBinh Group, Vietnam**      *Mar 2007 – Jul 2007*

*Financial Investment Department*

- Evaluated long-term investment projects, especially those in the electricity sector. Negotiated with partners on terms & conditions of Investment Agreements.
- Build relationships with clients to initiate new opportunities: suggested 3 new projects in 5 months.

**BRANCH MANAGER ASSISTANT - COSFI JV Co, Vietnam**      *Jan 2006 – Feb 2007*

*Department of Business Development, Hanoi Branch*

Got converted from Internship to full-time employees for excellent performance

- Assisted Manager in Business Admin duties especially in managing the first clients' accounts database.
- Analyzed financial data and prepared monthly reports on the branch's business activities.

## SKILLS

- Programming Language: MATLAB, PYTHON, STATA, R, LATEX

- Data Expert on due diligent: Collect, check, process and analyst large volume of data using financial models.

- Proficient in Microsoft Office applications especially Excel and PowerPoint.

- Familiar with Bloomberg data system.

- Fluent in both English and Vietnamese.