Thach H. **Pham**

PhD, Asset Pricing

Faculty of Finance & Banking, HCMC Open University, Vietnam

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I like collaborative environments where I can learn from my peers. I have worked in a variety of roles ranging from financial and data analyst to investment officer to researcher and lecturer. I am passionate about education and I believe that none of subject is too complex if the teacher is empathetic and willing to think of new approaches. In my PhD thesis, I have developed a framework for stock selection strategies based on mispricing and smart betas. This framework not only helps in explaining stock returns but also in evaluating the efficiency of stock markets and the performance of trading strategies. I love Linux and free and open-source software. I prefer literate programming, reproducible research, and plain text.

Education

Victoria University — *Melbourne, Australia*
PhD, Asset Pricing — *2018–2023*

University of Wollongong — *NSW, Australia*
Mcom, Finance — *2009–2010*

University of Economics HCMC — *HCMC, Vietnam*
Bec, Planning and Investment — *2002–2006*

Training

O'Reilly, Linkedin Learning — *Online*
R, Python, Scientific Computing, Data Visualization — *2018-2023*

Datastream, Refinitiv Eikon — *Melbourne, Australia*
Macroeconomic Indicators and Financial Data Technology — *2019-2020*

Victoria University, Elservier — *Melbourne, Australia*
LaTeX, Statistics, Research Workflow — *2018-2020*

EPICOR — *HCMC, Vietnam*
Enterprise Resource Planning (ERP) — *2013*

Thompson Reuters, Bloomberg — *HCMC, Vietnam*
Trading Systems of Stocks and Bonds — *2008*

IBM — *HCMC, Vietnam*
Professional Developer of E-Business Applications — *2006–2008*

Achievements

2018–2020 Joint Victoria University and Vietnam International Education Development PhD Scholarship (VIED, 911) — *Tuition and Stipend Sponsorship*

2020 Top 15% highest achieving students, Victoria University — *Awarded for the outstanding academic achievements*

2021 Victoria University PhD Scholarship — *Tuition and Stipend Sponsorship*

2023 Excellent PhD Thesis — *Awarded for the outstanding academic achievements*

Skills

- Presentation, Research and Teaching
- Data Wrangling and Visualization
- Statistical and Financial Modeling
- Programming
- Version Control
- Linux and Open Source Software
- Reporting and Writing
- Personal Knowledge Management and Personal Productivity

Tools

R	Debian	Python
Markdown	Emacs	Org Mode
LaTeX	Zotero	Git

Teaching

HCMC Open University *HCMC, Vietnam*

LECTURER *2012–Present*

- Equity Analysis
- Fixed Income Analysis
- Securities Analysis
- Portfolio Management
- Financial Markets
- Corporate Finance
- Investment Banking

Research Experience

Victoria University *Melbourne, Australia*

GRADUATE RESEARCHER *2018–2022*

- Develop a framework for stock selection strategies based on mispricing and smart betas.
- Explain stock returns in both stock and portfolio levels
- Develop a new risk factor based on conditional Value-at-Risk
- Measure market efficiency
- Backtest trading strategies

University of Wollongong *NSW, Australia*

GRADUATE RESEARCHER *2010*

- Financial Modeling & Valuation
- Portfolio Simulation & Asset Allocation
- Internal R&D Costs

University of Economics HCMC *HCMC, Vietnam*

UNDERGRADUATE RESEARCHER *Jan 2006–Jun 2006*

- Conduct a research using cluster analysis to determine the main industries in Long An Province, Vietnam
- Operate a workshop of using multiple regression to determinate factors affecting gold prices in Vietnam
- Operate a workshop of linkage analysis (Input-Output Model)

Industry Experience

KPMG *HCMC, Vietnam*

Consultant of Strategic Commercial Intelligence (SCI) *Jun 2011–July 2012*

- Market Research
- Story Board
- Dashboard
- Data Visualization
- Forecasting

ACB Securities (ACBS) *HCMC, Vietnam*

Financial Analyst & Advisor *Jul 2007–Sep 2008*

- Stock Watch
- Financial Modeling
- Valuation
- Writing Prospectus
- Public Offering & Private Placement Stocks & Bonds
- IPO & Auction Stocks
- Listing Stocks on the Stock Exchanges

DongA Bank (DAB) *HCMC, Vietnam*

Data Analyst (Internship) *Jun 2005–Aug 2005*

- Collecting and analysing data of using ATM cards and real estate

Software

Pham, T.H. (2025). *MCQ Balance Engine*. GitHub. `https://github.com/Pham-Hoang-Thach/mcq-balance-engine.git`

Pham, T.H. (2023). *Emacs Configuration for Literate Programming*. GitHub. `https://github.com/Pham-Hoang-Thach/.emacs.d.git`

Publications

Võ Minh Long, Lê Ngọc Yến Ngân, **Phạm Hoàng Thạch** (2025). *Tác động của giới hạn tài chính đến nắm giữ tiền mặt của các doanh nghiệp phi tài chính*. Tạp chí Kinh Tế và Ngân Hàng Châu Á, 228, 71-85.

Phạm Hoàng Thạch (2025). *Đo lường thị trường hiệu quả qua các mô hình nhân tố—Nghiên cứu thực nghiệm tại Sở Giao Dịch Chứng Khoán Thành phố Hồ Chí Minh*. HCMCOUJS-Kinh Tế và Quản Trị Kinh Doanh, 20(1), 69–81.

Pham, T.H., Phan, T.M.H. (2024). *Trading Stategies in the Ho Chi Minh Stock Exchange*. In Disruptive Technology and Business Continuity: Proceedings of The 5th International Conference on Business (ICB 2023) (pp. 297–311). Springer Nature.

Phạm Hoàng Thạch (2024). *Bước Đi Ngẫu Nhiên: Mô Phỏng Và Kiểm Tra Thị Trường Hiệu Quả Với R*. Hội thảo Ngành Tài Chính - Ngân hàng Việt Nam: Vượt thách thức, vững bước tiến, Khoa TC-NH, Đại học Mở TPHCM.

Pham, T.H., Phan, T.M.H. (2023). *Trading Stategies in the Ho Chi Minh Stock Exchange*. The 5th International Conference on Busines (ICB) [Conference Presentation].

Dương Quỳnh Nga, Phạm Hà, **Phạm Hoàng Thạch** (2023). *Quản lý danh mục đầu tư (HC)*. Tài liệu học tập. Đại học Mở Tp.HCM.

Pham, T.H. (2023). *Stock Selection for Trading Strategies Based on Risk Factors: A Study of The Ho Chi Minh Stock Exchange*. [PhD Thesis, Victoria University, Melbourne, Australia].

Dương Quỳnh Nga, Phạm Hà, **Phạm Hoàng Thạch** (2022). *Quản lý danh mục đầu tư*. Tài liệu học tập. Đại học Mở Tp.HCM.

Pham, T.H., Wickremasinghe, G., Kulendran, N. (2022). *An empirical study of the cross-section of stock returns on the Ho Chi Minh Stock Exchange (HSX) in Vietnam*. Working Paper.

Pham, T.H., Wickremasinghe, G., Kulendran, N. (2022). *An empirical study of multifactor asset pricing models on the Ho Chi Minh Stock Exchange (HSX) in Vietnam*. Working Paper.

Pham, T.H. (2019). *A study of stock returns on the Ho Chi Minh Stock Exchange using ANOVA and multiple regressions*. Working Paper.

Pham, T.H. (2018). *An empirical study of the cross-section of stock returns on the Ho Chi Minh Stock Exchange*. [Year 1 Thesis, Victoria University, Melbourne, Australia].

Phạm Hoàng Thạch, Dương Quỳnh Nga (2018). *Quản lý danh mục đầu tư*. Slides bài giảng và video hướng dẫn môn học trực tuyến. Đại học Mở Tp.HCM.

Phạm Hoàng Thạch (2006). *Xác định các ngành công nghiệp chủ lực của tỉnh Long An* [Luận văn đại học, Đại học Kinh tế Tp.HCM, Tp.HCM, Việt Nam].