

DUC THANH NGUYEN

Mont-Royal, Quebec, Canada

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KEY QUALIFICATIONS

- Ph.D. in Economics with extensive research and teaching experience in Economics of Education, Applied Econometrics, Labor Economics, Health Economics, Psychology, and Impact Evaluation.
- Excellence and extensive experience in research design, data synthesis, statistical analysis, quantitative modelling, quantitative and qualitative research, forecasting and data visualizations using STATA, R, MATLAB, SAS, and SPSS.
- A highly self-motivated, well-rounded, and detail-oriented individual with excellent organizational, time management, and communication skills. Proven ability to undertake multiple research projects independently and produce high-quality results in fast-paced, collaborative research environments under tight deadlines.

EDUCATION

Ph.D., Economics

May 2023

Concordia University, Montreal, QC, Canada

Thesis: *Three Essays on the Economics of Skills, Health and Victimization*

Advisor: Prof. Tatyana Koreshkova

Master of Arts in Development Economics

March 2005

Erasmus University Rotterdam (the Netherlands) and National Economics University (Vietnam).

Thesis: *Private and Social Returns to Investments in Education in Vietnam over time 1993 – 2002*

Advisor: Dr. Nguyen Nguyet Nga, the World Bank

B.A., Economics

May 2000

National Economics University, Hanoi, Vietnam

RESEARCH AREAS

- **Main areas:** Economics of Education, Applied Econometrics, Labor Economics, Health Economics, Psychology, and Impact Evaluation.
- **Sub-areas:** Human capital, child development, education and labor market outcomes, inequality, mental health and wellbeing, social behaviors, psychosocial adjustment, victimization, applied econometrics, and impact evaluation.

RESEARCH AND TEACHING EXPERIENCE

Department of Economics, Concordia University, Montreal, QC, Canada

Teaching Assistant and Tutorial Leader

2014 - 2023

Tutorial Leader:

2016 - 2020

- Introduction to Macroeconomics

Teaching Assistant:

2014 - 2023

- Undergraduate courses: Economic Data Analysis, Statistical Methods I, Statistical Methods II, Introduction to Macroeconomics, Introduction to Microeconomics, Intermediate Macroeconomic Theory I, Intermediate Macroeconomic Theory II, International Economic Policy and Institutions.
- Graduate courses: Advanced Monetary Theory, International Economics: Trade Theory, Macroeconomics II, Economics of the Environment.

Faculty of Planning and Development, National Economics University (NEU), Hanoi, Vietnam

Lecturer

December 2010 - August 2014

- Taught Development Economics and Socio-economic Development Forecasting courses;
- Developed syllabuses, curricula and teaching materials for Development Economics and Socio-economic Development Forecasting courses;
- Participated in research and professional activities at the Department of Development Economics - Faculty of Planning and Development.
- Supervised and mentored students.

Research Department, National Economics University (NEU), Hanoi, Vietnam

Research associate

September 2005 - August 2014

- Conducted research projects and performed data analyses;
- Contributed to the development of research proposals and participated in the management and implementation of ministerial-level and international collaborative research projects;
- Oversaw research and consulting activities with local authorities and businesses;
- Coordinated scientific communications, including conferences, workshops, and seminars.
- Developed and contributed to research proposals; served as investigator and co-investigator on 11 small, medium, and large-scale research projects with a total grant amount of \$180,000.
- Participated in writing the project proposal and coordinated the “Developing Entrepreneurship in Vietnam” project, funded by the Canadian International Development Agency (CIDA), valued at \$4,747,000.

Developing Entrepreneurship in Vietnam Project, Hanoi, Vietnam

Project Coordinator

June 2009 - August 2014

- Coordinator of Developing Entrepreneurship in Vietnam Project funded by the Canadian International Development Agency (CIDA), National Economics University (NEU), Hanoi, Vietnam and Saint Mary’s University, Canada.
- Managed all the assigned project activities in Vietnam;
- Facilitating NEU divisions and Vietnamese partners to fully implement the approved project activities;
- Prepared narrative reports and quarterly financial reports from Vietnamese side on time and with sufficient information.

OTHER EXPERIENCE

Caregiver to Family Members

Caregiver to Family Members

April 2023 - January 2025

- Undertook substantial family caregiving responsibilities, including supporting a spouse with pregnancy-related health complications and hyperthyroidism, while caring for a newborn child.

9480-7351 Québec Inc., 3222 rue Beaubien Est, Montreal, Quebec

Restaurant manager

June 2023 - present

- Managed and organized operations, scheduling, and budgeting;
- Position provided flexibility during a period of family caregiving responsibilities.

CONFERENCE AND SEMINAR PRESENTATIONS

Concordia Economics Seminar Series	Oct 2022
Inter-University Centre for Research in Quantitative Economics (CIREQ) Lunch Seminar Series	Nov 2020
CIREQ PhD Students Conference (Montreal)	May 2019
Concordia Economics Seminar Series	Oct 2018
CIREQ PhD Students Conference (Montreal)	May 2018
Concordia Economics Seminar Series	Feb 2017

CERTIFICATES

R Programming: Advanced Analytics in R For Data Science	August - September 2024
R Programming A-Z™: R for Data Science With Real Exercises	March - April 2024
University Teaching Professional Certificate <i>University of Education, Vietnam National University - Hanoi</i>	<i>November 2012 - April 2013</i>

AWARDS, GRANTS AND FELLOWSHIPS

Inter-University Centre for Research in Quantitative Economics (CIREQ) fellowship (\$36,000)	2014 - 2017
Concordia University Full Tuition Recruitment Award, Concordia University, Canada (\$46,500)	2014 - 2017
The International Tuition Fee Remission Award (\$35,00)	2014 - 2017
Inter-University Centre for Research in Quantitative Economics (CIREQ) Merit Award (\$9,00)	2017 - 2022
Co-investigator, “The Master Plan on Socio-economic Development in Tay Ho District and Long Bien District”, The Department of Science and Technology of Hanoi (\$52,000)	2009 - 2010
Co-investigator, “The scientific basis for formulating and improving the social security policy system in Vietnam”, The Ministry of Science and Technology of Vietnam (\$90,000)	2007 - 2008
Co-investigator, “Enhancement of Research Effectiveness in Business and Economic Universities in Vietnam”, The Ministry of Education and Training of Vietnam (\$11,000)	2007 - 2008
Co-investigator, “The Role of Business and Economic Universities in the Development of Science and Technology Market in Vietnam”, The Ministry of Education and Training of Vietnam (\$12,000)	2006 - 2007
M.A. full scholarship from the Government of the Netherlands (\$30,000).	2002 - 2004

RESEARCH AND PUBLICATIONS

Job Market paper:

Parental Investment and Child Development

Abstract: This paper explores the dynamic formation of child human capital by modeling the joint evolution of cognitive skills, noncognitive skills, and health. It analyzes the process by which current levels of cognitive skills, noncognitive skills and health depend on past cognitive and noncognitive abilities, past health, parental cognitive and noncognitive abilities and parental investments. I develop dynamic, structural production function models of human capital with endogenous parental investments to examine dynamic complementarities and interactions among different inputs and factors in forming child human capital. I use a maximum likelihood approach to estimate the joint distribution of latent factors, which are proxied by observable measures and dynamic CES production functions of human capital. The results show strong effects of parental investments on child cognitive skills, noncognitive skills and health and indicate that parental investments are driven by parental skills and resources. The results also indicate evidence that there are dynamic complementarities among the inputs in human capital production, implying that returns to investments are higher for children with better initial conditions. These results imply that children with better backgrounds get more investments, and they also use these investments more productively. There is evidence of high levels of self-productivity and the existence of cross-productivity from noncognitive skills and health to cognitive skills and from cognitive and noncognitive skills to health. The self-effects, cross-effects and dynamic complementarities together become a dynamic multiplier effect mechanism of human capital accumulation. This effect mechanism leads to substantially different developmental trajectories among children and substantial increases in inequality. The paper highlights the importance of policies and interventions boosting investments in children from poor backgrounds at early ages, contributing to the literature on inequality and intergenerational mobility.

[\[Paper\]](#), [\[Slides\]](#)

Working papers:

[1] **Transition from School to Work: The Role of Cognitive and Noncognitive Skills**

Abstract: This paper examines the effects of cognitive and noncognitive skills on college completion decisions and subsequent earnings. I develop and estimate a structural model that explicitly embeds a Roy model of endogenous education choices and subsequent earnings within a latent factor model. This approach allows for the identification of latent competencies to capture multiple skill dimensions more accurately and correct for measurement errors in observed measures of skills. It also allows for the isolation of the effects of these skills on earnings into components explained by schooling and productivity. Furthermore, this approach solves the endogeneity and reverse causality problems of skills, schooling and earnings by excluding education variables from earnings equations, introducing latent skills and using panel data with skills and outcomes observed at different times. The findings indicate that both cognitive and noncognitive skills in adolescence are associated with college completion and better earnings in early adulthood. Both types of skills are important in directly determining earnings and indirectly determining earnings through their influence on schooling.

[\[Paper\]](#), [\[Slides\]](#)

[2] **The Consequences of Bullying Victimization on Health and Psychosocial Outcomes in Young Children**

Abstract: This paper uses a structural model combined with an instrumental variable strategy to deal with the endogeneity and measurement error issues of bullying to study the consequences of peer victimization on a range of health and psychosocial indicators. The findings indicate that peer victimization has strong effects on subjective well-being, alcohol consumption and emotional and mental distress of children. These results are consistent with evidence from both developed and developing countries that bullying has substantial consequences on health risks and psychosocial outcomes. I do not find evidence of associations between bullying victimization and self-rated health.

[\[Paper\]](#), [\[Slides\]](#)

Published Books

- [1] Cuong M.N (ed.), **Nguyen D.T.** et al. (2013), *Fundamental Issues in Current Social Policy in Vietnam*, the National Political Publishing House, Hanoi, Vietnam.
- [2] Vinh P.H, Hoa H.V (eds.), **Nguyen D.T.** et al. (2010), *The Development of Driving Force Industry in Hanoi to 2020: Situation and Solutions*, the National Political Publishing House, Hanoi, Vietnam.
- [3] Phan. N.D, The. T.D, Nam T.N, Son N.H, **Nguyen D.T.** (2009), *Improvement of Public Administration Services in Hanoi to meet the economic Integration*, the National Economics University Publishing House, Hanoi, Vietnam.

Journal articles

- [1] Chuong P.H, Tho B.D, **Nguyen D.T.**, Lan N.T, *Soci-economic Development 2011 -2013: Fundermental Issues and Recommendations*, Journal of Economics and Development, Vol. 196, pp.3-13, 10/2013.
- [2] **Nguyen D.T.**, Hung ND, *University Governance: International Experience and Lessons for Vietnam*, Journal of Economics and Development, Vol. 188 (II), pp.121-128, 2/2013.
- [3] **Nguyen D.T.**, *Developing the Organizational Structure of Economic and Business Universities in Vietnam*, The International Conference Proceedings on The Renovation of Governance Model of Economic and Business Universities in Vietnam, Ministry of Education and Training of Vietnam, Hanoi, December, 2012.

Published Research works

- [1] Ho H.Y., Nguyen H.M., **Nguyen D.T.**, Trinh M.V., Do D.B. (1/2013), *Strengthening the Coordination in the state management of Universities in Hanoi*, The Ministerial level research work, The Ministry of Education and Training of Vietnam.
- [2] **Nguyen D.T.**, Do T.T.N., Nguyen D.H. (2012), *Some Solutions to integrating the research activities with Doctoral Training at the NEU, Hanoi*, the University level research work, the National Economics University, Hanoi.
- [3] Nguyen N.S., Phi T.H.L., Le H.D., **Nguyen D.T.**, Do T.D., Bui T.H. (2011), *Solutions to Developing the Supporting Industry for Textile and Garment in Vietnam under the WTO framework*.

- [4] Hoang V.H., Pham H.V., **Nguyen D.T.**, Le A.T., Ho H.Y. (2010), *The Analysis and Assessment of Scientific and Technology Capacities of Economics and Business Universities in meeting the Need of The Society in Vietnam*, The Ministerial level research work, The Ministry of Education and Training of Vietnam.
- [5] Tran V.T., Mai N.C., **Nguyen D.T.**, Mai N.A., Nguyen D.H. (2010), *The 40 years of the Nobel Prizes in Economic Sciences*, the University level research work, the University Economics University, Hanoi.
- [6] Pham T.L., Hoang V.H., Nguyen T.Q., **Nguyen D.T.** (2009), *The Renovation of Research Management Mechanism to improve the Training and Research Quality in the Business and Economic Universities*, The Ministerial level research work, The Ministry of Education and Training of Vietnam.
- [7] Mai N.C., Hoang N.V., **Nguyen D.T.**, Bui D.D.D, Tran M.C. (2009), *Aged Population trends and Financial Recourses for implementing the Social Security Policy in Rural Vietnam up to 2020*, The Ministerial level research work, The Ministry of Education and Training.
- [8] Nguyen D.P., **Nguyen D.T.** (2008), *The Organizational Structure of Economic and Business Universities in the North of Vietnam*, The Ministerial level research work, The Ministry of Education and Training of Vietnam.
- [9] Nguyen V.T., Hoang V.H., Do D.B., Pham H.C., Nguyen Q.T., Le A.T., Nguyen A.T., Nguyen T.Q., Ho H.Y., **Nguyen D.T.** (2008), *Enhancement of Research Effectiveness in Business and Economic Universities in Vietnam*, The Ministerial level research work, The Ministry of Education and Training of Vietnam.
- [10] Hoang V.H., Pha, H.C., Nguyen T.Q., Le A.T., **Nguyen D.T.**, Ho H.Y., Nguyen T.H., Tran B.T. (2008), *The Role of Business and Economic Universities in the Development of Science and Technology Market in Vietnam*, The Ministerial level research work, The Ministry of Education and Training of Vietnam.

Unpublished Research report

- [1] People's Committee of Tay Ho District (2009), the Master Plan on Socio-economic Development in Tay Ho District, People's Committee of Tay Ho District
- [2] People's Committee of Long Bien District (2010), the Master Plan on Socio-economic Development in Long Bien District, People's Committee of Long Bien District

Books edited

- [1] Henrik Schaumburg-Müller and Pham Hong Chuong (2009), *A New Asian Dragon: Internationalization of firms in Vietnam*, CBDS, Copenhagen Business School.

Books translated

- [1] Cliff Alcock, Sarah Payne, Michael Sullivan (2000), *Introducing Social Policy*, Second Edition, Pearson Education
- [2] Michael Hill (2000), *Understanding Social Policy*, Sixth Edition. Oxford: Blackwell.
- [3] Robert F. Drake (2001), *The Principles of Social Policy*, Palgrave Macmillan.

Training manuals

- [1] **Nguyen D.T.** et al. (2008), syllabus and teaching materials for Economics Module, Society-driven Higher Education Project at the NEU funded by the Government of the Netherlands, the National Economics University, Hanoi.
- [2] **Nguyen D.T.** (2008), syllabus and teaching materials for Macroeconomics subject, Society-driven Higher Education Project at the NEU funded by the Government of the Netherlands, the National Economics University, Hanoi.
- [3] **Nguyen D.T.** (2007), syllabus, teaching materials for Development Economics and Socio-economic Forecasting Courses, the National Economics University, Hanoi.

COMPUTER SKILLS

STATA, R, MATLAB, SAS, SPSS, L^AT_EX and Microsoft Office Applications.

LANGUAGES

English (fluent), French (intermediate), and Vietnamese (native)

REFERENCES

Dr. Tatyana Koreshkova (PhD Supervisor)

Professor

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