

# DUC THANH NGUYEN

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## KEY QUALIFICATIONS

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- In-depth knowledge of and extensive research and teaching experience in Development Economics, Applied Econometrics, Labor Economics, Education Economics, Health Economics and Human Capital,
- Excellence and extensive experience in data synthesis, statistical analysis, modelling, and quantitative and qualitative research using MATLAB, STATA, R, SPSS, SAS, L<sup>A</sup>T<sub>E</sub>X and Microsoft Office Applications.
- A highly self-motivated and well-rounded individual with strong analytical reasoning, leadership, critical and strategic thinking, and detail-oriented skills to independently solve problems and achieve high-quality results. Ability to manage multiple projects in a fast-paced environment under tight deadlines.

## EDUCATION

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### **Ph.D., Economics**

*June 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*

Vietnam - Netherlands Project for Master's Program in Development Economics, an English-language joint program between the Institute of Social Studies, the Hague and National Economics University, Hanoi, 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

### **B.A., English language**

*May 2001*

**Hanoi University**, Hanoi, Vietnam

## RESEARCH AREAS

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Development Economics, Applied Econometrics, Labor Economics, Education Economics, Human Capital, Health Economics

## EXPERIENCE

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

*Teaching Assistant and Tutorial Leader*

*2014 - 2022*

*Tutorial Leader:*

*2016 - 2020*

- Introduction to Macroeconomics

*Teaching Assistant:*

*2014 - 2022*

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

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

*Lecturer*

*December 2010 - August 2014*

- Teaching Development Economics and Socio-economic Development Forecasting courses;
- Involving in developing syllabuses, curricula and teaching materials for Development Economics and Socio-economic Development Forecasting Subjects;
- Participating in research and professional activities at the Department of Development Economics - Faculty of Planning and Development.
- Supervising students.

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

*Researcher, Officer*

*September 2005 - August 2014*

- Doing research projects of the university;
- Managing the Ministerial level research projects, international co-operative research projects;
- Managing research and consulting activities with local authorities, businesses;
- In charge of scientific information, conferences, workshops, seminars.

## **Developing Entrepreneurship in Vietnam Project, Hanoi, Vietnam**

*Project Coordinator*

*June 2009 - August 2014*

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

## **TEACHING CERTIFICATE**

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### **University Teaching Professional Certificate**

*University of Education, Vietnam National University - Hanoi*

*November 2012 - April 2013*

## **AWARDS**

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CIREQ (Inter-University Centre for Research in Quantitative Economics) fellowship.	2014 - 2018
Concordia University Full Tuition Recruitment Award, Concordia University, Canada.	2014 - 2017
The International Tuition Fee Remission Award	2014 - 2017
M.A. full scholarship from the Government of the Netherlands (two-year full scholarship).	2002 - 2004

## **RESEARCH AND PUBLICATIONS**

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### **Job Market paper:**

### **Parental Investment and Child Development**

**Abstract:** This paper 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 estimate a dynamic production function model 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. There is also 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.

### **Other Ph.D. papers:**

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

**Abstract:** This paper examines the effects of cognitive and noncognitive skills on college completion decisions and subsequent earnings. I explicitly embed a model of endogenous education decisions and subsequent earnings into 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.

#### **[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.

### **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 eport**

- [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 Subjects, the National Economics University, Hanoi.

### **COMPUTER SKILLS**

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MATLAB, STATA, R, SPSS, SAS, L<sup>A</sup>T<sub>E</sub>X and Microsoft Office Applications.

## REFERENCES

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**Dr. Tatyana Koreshkova**

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