
THUY DOAN

doanttt@hawaii.edu | 1-808-383-3857 | Honolulu, HI 96848 | <https://thuyttdoan.com>

Summary

Independent and detail-oriented economics researcher with demonstrated abilities in empirical analysis. Skilled in applied econometrics and programming. Focused on energy, environmental, and development issues, especially topics of energy conservation, natural gas market, climate change impacts, and vulnerable population well-being.

Skills

- Applied econometrics
- Programming (R, Stata, and Python)
- Linear optimization (Pyomo, Python, CPLEX/ Gurobi)
- Social network analysis (R, Gephi)
- Spatial data analysis (ArcGIS, R)
- Teaching
- Project financial/economic appraisal
- Financial statement analysis
- Microsoft Office
- LaTeX

Main Experience

- 01/2020 - Current **Research Assistant**
University of Hawaii (UH) at Manoa
Hawaii, U.S.
Research project "U.S. Natural gas network expansion modeling, gas demand-supply analysis," funded by Environmental Defense Fund. Supervisor: Dr. [Matthias Fripp](#)
 - Collect, compile, and analyze data on U.S historical weather and natural gas market.
 - Analyze public policy in natural gas industry, especially regulations of interstate pipeline.
 - Identify research questions and determine empirical techniques to investigate the responses of natural gas supply and demand to prices and weather shocks.
 - Develop optimization model for natural gas market based on Switch power system planning model.
 - Assess the efficiency of the expansion of natural gas pipeline networks and underground storage.
 - Write academic papers and present results at seminars and conferences.
- 02/2019 - 08/2019 **Research Assistant**
UH Economic Research Organization
Hawaii, U.S.
Research project "Drivers of Well-being in Hawaii", funded by Hawaii Leadership Forum. Supervisor: [Dr. Philip M.E. Garboden](#)
 - Collect and clean wide range of data, including ACS demographics, Gallup well-being, and Zillow housing data.
 - Review literature and quantitatively analyze relationship between housing price appreciation and well-being in Hawaii.
 - Produce summary statistics and visual elements for reports summarizing research results.
- 08/2016 - 05/2018 **Teaching Assistant**
University of Hawaii at Manoa
Hawaii, U.S.
 - Conduct supplemental sessions to review the main content covered in lectures
 - Provide individually assistance and tutoring to students
 - Provide feedbacks and mark assignments/ tests
 - Undergraduate courses: Principles of Macroeconomics, Intermediate Microeconomics, and Games and Economic Behavior.
 - Graduate courses: Mathematics for Economics, Microeconomic Theory 1 and 2, Econometrics 2.

- 02/2013 - 07/2016
Ho Chi Minh City
Open University
Vietnam

Lecturer

 - Courses taught: Public Economics, Microeconomics. Both face-to-face and online formats.
 - Develop course syllabus and learning materials.
 - Provide academic advising to undergraduate students.
 - Research activities: cooperate in "Understanding Vietnam's economy through indexes" program, providing an overall picture of Vietnam's contemporary economy.

- 01/2013 - 08/2013
Fulbright Economics
Teaching Program
Vietnam

Teaching Assistant

 - Graduate courses: Microeconomics and Investment Project Appraisal.
 - Plan and conduct supplemental lab sessions, provide individually assistance to master students.
 - Provide feedbacks and mark assignments.
 - Serve course-related administrative duties.

- 08/2008 - 09/2011
Bank for Investment
and Development
Vietnam

Credit Specialist

 - Analyze financial statement, business plans or investment projects, and property evaluations to determine corporate customers' creditworthiness and feasibility of granting loans.
 - Monitor the borrowers' financial health and ability to meet obligations under loan agreements.
 - Maintain customer relationships and cross-sell banking products.

- 02/2007 - 01/2008
Saigon General
Service Corporation
Vietnam

Project Development Specialist

 - Conduct project appraisal for decision making in real estate investment.
 - Produce feasibility reports and financing plans for real estate projects.
 - Create marketing strategies for leasing office spaces and commercial stores.

Education

- Expected in 05/2022
Hawaii, U.S.

Ph.D. in Economics
[University of Hawaii at Manoa](#)

 - 3.98 GPA
 - Academic field: Environmental and Energy Economics
 - Secondary field: Development Economics
 - East-West Center Graduate Degree Fellowship Recipient (2018-2020)
 - Seiji Naya First-Year Student Award Recipient (2017)

- 07/2013
Vietnam

Master of Science in Public Policy
[Vietnam Fulbright Economics Teaching Program](#)

 - 9.14 GPA (out of 10)
 - Valedictorian of the Class 2013
 - Fulbright Vietnam Scholarship Recipient
 - Thesis: Evaluating the Debt Burden on Non-financial Listed Companies in Vietnam

- 09/2007
Vietnam

Bachelor of Science in Economics
[University of Economics Ho Chi Minh City](#)

 - 7.87 GPA (out of 10)
 - Academic field: Planning and Investment Economics
 - Thesis: Factors Influencing Rental Office Selections in Ho Chi Minh City, Vietnam.
Pass with distinction.

Training

08/2020 Virtual	Environmental and Energy Economics Berkeley/Sloan Summer School
07/2018 Thailand	Transdisciplinary Studies Erasmus+ Knowledge Networks of Transdisciplinary Studies (KNOTS) Summer School and Field Trip
01/2018 CA, U.S.	Experimental Economics IFREE's Annual Visiting Graduate Student Workshop , Chapman University

Publications

- Inequalities between peri-urban and urban areas in urbanization process of Ho Chi Minh city: an urban political-ecology perspective, (with Tran Tu Van Anh et al.), 2018, Ho Chi Minh City Open University Journal of Science, 8(1), pp. 48-67. Available at <https://journalofscience.ou.edu.vn/index.php/soci-en/article/view/287>.
- Evaluating the Debt Burden on Non-financial Listed Companies in Vietnam, "[From analysis to dialogue](#): Collections of public policy works", Social Sciences Publishing House, 2015 (published in Vietnamese).

Selected Working Papers

- Do Electricity Consumers Respond to Prices or Peers? Evidence from a novel electricity billing tournament, 2021.
- Temperature and the Allocation of Time, 2019.
- Well-being and Housing Market Indicators in Hawaii, 2019 (Technical report, with Philip Garboden).
- Smallholder Farmers' Decision Making for Crop Selection under Uncertainty, 2018.
- Multidimensional Poverty in Vietnam's Economic Regions: Main Findings and Policy Recommendations, 2018 (with Le Thi Thanh Loan and Nguyen Thanh Binh).
- On Vietnam Exporting: Geographical Specialization and The Trade Competition with China, 2015 (with Nguyen Duc Vinh).
- Growth – Poverty – Income Inequality presented through the Overall and Decomposition Growth Elasticity of Poverty in the 2002 - 2010 period, 2014.

WORK IN PROGRESS

- Are we building too many natural gas pipelines? (Expected 2022, with Matthias Fripp and Michael Roberts.)