HUNG Q. TRUONG

Curriculum Vitae ◇ Cover Letter ◇ Statement of Interests
Simon Fraser University ◇ 8888 University Dr, Burnaby, BC V5A 1S6
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EDUCATION

Simon Fraser University - BC, CAN
Ph.D. in Economics *2019 -*

Graduate macroeconomic theory and policy

International monetary economics

PhD first-year macroeconomics

PhD first-year advanced topic in macroeconomics (learning in firms' competition)

PhD Comprehensive exam in Macroeconomics (awarded the best result in the cohort)

Computational macroeconomics (learning in game theoretically setting)

Experimental macroeconomics

Agent-based macroeconomic models (learning in New Keynesian models)

M.A. in Economics *2018 - 2019*

University of California, San Diego - CA, US
B.A. in Economics (honours) *2015 - 2017*

RESEARCH INTERESTS

Behavioral macroeconomics, computational economics, experimental economics, monetary policy

WORK IN PROGRESS

"History-dependent monetary regime and endogenous credibility: experiments and simulations", with Prof. J. Arifovic (in memoriam) and Prof. I. Salle (uOttawa).

"Household inflation expectation and spending: Canadian survey of consumer expectation" (working title), with Dr. O. Kostyshyna (Bank of Canada) and Prof. I. Salle (uOttawa).

CONFERENCE PRESENTATIONS

56th Canadian Economics Association Conference - Ottawa, ON, Canada *2022*
1st PhD Conference on Expectations in Macroeconomics, held by BSE - virtual
48th Atlantic Canada Economics Association - Halifax, NS, Canada
15th Vietnam Economist Annual Meeting - Ha Noi, Vietnam

RESEARCH EXPERIENCE

Research Assistant - **Simon Fraser University - BC, CA**

For Professor Arthur Robson - conducting a literature review in biological evolution of economic behaviour *07/2019 - 08/2019*

For Professor Luba Petersen - running controlled laboratory experiments in economic decision making *10/2021 -*

For Professor Lucas Herrenbrueck - programming experimental algorithm using object-oriented programming with Python in oTree *06/2022 -*

TEACHING EXPERIENCE

Simon Fraser University - BC, CA

Programming Workshop Instructor *09/2021 -*

Data Science with Python and R, jupyter notebook, R Markdown

Graduate Teaching Assistant and Instructor *09/2018 -*

Graduate: macroeconomics (M.A., x2), microeconomics (M.A.)

Undergraduate: macroeconomics (intermediate, x4), macroeconomics (introduction, x2), macroeconomic policy, money & banking, econometric (intermediate, x3), microeconomics (introduction)

Berkeley City College - CA, US

Teaching Assistant *09/2013 - 05/2014*

Statistics (introduction, x2)

REVIEWING ACTIVITIES

Journal of Evolutionary Economics

AWARDS & GRANTS

Best Paper Award at 15th Vietnam Economist Annual Meeting *2022*
James Dean Award (for best third year Ph.D. paper)
ACEA 2022 Travel Grant
SFU Graduate Fellowship
SFU Travel & Research Grant
CEA 2022 Travel Grant

SFU Graduate Fellowship *2021*

Richard G. Lipsey Award (for best Ph.D. comprehensive exam result) *2020*
SFU Lang Wong Memorial Endowment Scholarship
SFU Graduate Fellowship

SFU Graduate Fellowship *2019*
SFU Special Graduate Entrance Scholarship

UCSD Provost Honors *2017*
UCSD Department Honors in Economics with Distinction

REFERENCES

Luba Petersen
Associate Professor
Simon Fraser University
lubap@sfu.ca

Isabelle Salle
Associate Professor
University of Ottawa
isabelle.salle@gmail.com

PERSONAL

High proficiency in R, Python, MATLAB, oTree, LaTeX
Fluent in English and Vietnamese

February 24, 2023

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The National Bureau of Economic Research (NBER)

Dear Workshop Selection Committee,

I am writing to express my strong interest in attending the upcoming Workshop on Heterogeneous-Agent Macroeconomics at The National Bureau of Economic Research (NBER). As a dedicated Ph.D. student, I believe this workshop offers an exceptional opportunity to collaborate with fellow researchers and learn about the latest tools in the field.

Currently, I am 4th year Ph.D. student in Economics at Simon Fraser University whose research interests include behavioral macroeconomics, computational macroeconomics, and experimental methods.

One of my advisors, Associate Professor Luba Petersen (luba_petersen@sfu.ca) is willing to provide a letter of recommendation for me. Dr. Petersen is well-versed in experimental macroeconomic research and has been guiding me in my research endeavors, providing valuable feedback and insights into my work.

Attending the workshop would provide me with an invaluable opportunity to keep myself posted on cutting-edge research and techniques in the field.

I am confident that my background in economics, research experience, and strong work ethic make me a suitable candidate for this workshop. I am committed to actively engaging in the workshop's discussions and contributing to its intellectual discourse. Furthermore, I am eager to establish relationships with fellow attendees and potentially initiate future collaborations.

Sincerely,

Hung Truong

Statement of Interests

As an economist with extensive programming experience whose research interests include behavioral macroeconomics, computational economics, and experimental economics with an emphasis on monetary policy and growth theory, I believe my intellectual needs align greatly with the workshop.

My research agenda puts forward the argument that economic participants have heterogeneous priors and beliefs that non-negligibly impact the course of short-run and long-run macro-dynamics. Consequently, incorporating such positing in economic modeling is necessary to inform more comprehensive macroeconomic policy.

With respect to short-run economics, two of my current work-in-progress projects are built upon heterogeneous-agent New Keynesian models that impose no priory on how economic agents form beliefs of the economic structure that they live in. Thereby, my co-authors and I can study the efficacy of monetary policy in the New Keynesian framework in managing inflation expectations of economic agents. To this end, I have developed an experimental software in python and deployed it to Heroku to conduct a controlled lab experiment that simulates an experimental New Keynesian economy with macro-dynamics relying on human subjects' forecasting decisions to assess the efficacy of price-level targeting policy, a theoretically sound monetary policy that lacks empirical supports. Furthermore, I use a social evolutionary learning algorithm (genetic algorithm) to mimic human subjects' behaviors observed in the lab to shed light on the impact of the policy on decisions at the micro-level.

On the other hand, I am also interested in the long-run effect of heterogeneity and behavioral biases at the micro-level to the long-run economics; namely, constraints to economic development/growth. More specifically, I posit that differences in wealth across countries are a byproduct of behavioral biases that reinforce the stability of poverty trap equilibrium and middle-income trap equilibrium.

With my research agenda being said, I am excited about the opportunity to attend the workshop. I believe that this workshop will provide me with an excellent opportunity to enhance my research toolkit, discuss my research ideas, and establish relationships with fellow researchers in the field.