The Linh Bao Nguyen

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Doctoral Student Workshop on Economics of Artificial Intelligence Application

Applicant: The Linh Bao, NGUYEN
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Motivational Statement

Dear NBER Selection Committee,

I am writing to be considered for the 2021 Doctoral Student Workshop on Economics of Artificial Intelligence that will be help virtually on September 22, 2021. As a Ph.D. candidate in economics at the University of Maryland at College Park, I am keen on expanding my research network and learning about new economic analysis tools. I am interested in learning about the applications of artificial intelligence in processing unstructured and large amount of data to answer economic questions. In a recent project, which looks at the connection between an online task-based employment platform and the local labor market during COVID-19, I encountered a large amount of information that came in with untraditional structures, such as texts and images. While these types of data pose several challenges in the process, they are essential to the analysis of intercorrelations among different factors in my project. For instance, the degree of substitution between online relative to traditional labor supply may vary across the gender line. To unpack these potential patterns, I have started to employ an image processing classification tool to map workers into sub-groups. As an expansion of the project, I am now interested in exploring text and sentiment analysis packages.

Since the potential biases in training machine learning models are becoming more well-known, it becomes even more important to build a network in the field to discuss the chosen tools and receive feedback. Recent developments in artificial intelligence ethics and newly shaped regional regulations make it even more important to share best practices to ensure the techniques employed in research continue to reflect the expectations of policymakers and the wider public. As a new researcher in the field of economics of artificial intelligence, the workshop would be an excellent opportunity for me to learn more about the recent themes from the literature on artificial intelligence, its implications in research tools and build a network of other researchers exploring related economics questions.

Sincerely,
The Linh Bao Nguyen

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Curriculum Vitae

PROFESSIONAL EXPERIENCE

Aug. 2018 – June 2020	**Graduate Assistant – University of Maryland**
Mar. 2018 – Jul. 2018	**Teaching Assistant – University of Milan**
Jun. 2017 – Jul. 2018	**Research Assistant – Bocconi University (IGIER and LEAP)**
Jun. 2016 – Apr. 2017	**Trainee – OECD** (Organization for Economic Co-operation and Development) Directorate for Science, Technology, and Innovation – Economic Analysis and Statistics
Jan. 2016 – Apr. 2016	**Research Intern – Bocconi University (IGIER)**
Sept. 2015 – Dec. 2015	**Business Analyst Intern – Bell and Ruev (Executive Search & Business Consulting)**
Aug. 2013 – May 2014 June 2012 – Aug. 2012	**Economics Research Assistant – Economics Department at Kenyon College**

EDUCATION

Aug. 2018 – Present	**University of Maryland at College Park** – **Doctoral Program in Economics –** Advanced to Candidacy (01/ 2021) Major: Labor Economics / Minor: Industrial Organizations Key coursework: Adv. Microeconomics Analysis, Adv. Macroeconomics Analysis, Adv. Labor Economics I & II, Industrial Organizations I & II, Econometrics, Computational Economics, Empirical Microeconomics, Public Economics
Sept. 2014 – Apr. 2017	**Bocconi University – Master's in Economic and Social Sciences – Cum laude**
Aug. 2010 – May 2014	**Kenyon College – Bachelor of Arts – Cum laude, Distinction in Economics** Double Major: Economics and International Studies / Minor: Music
Aug. 2012 – May 2013	**Paris Dauphine University, and Paris University Denis Diderot – Studying Abroad**
Sept. 2008 – May 2010	**Li Po Chun United World College of Hong Kong – International Baccalaureate Diploma**

RESEARCH

2021	"*Working From Home: Will I, Won't I? Labor Supply and Mental Health During COVID-19*" – Work in progress
2020	"*Sorting into the Right Tasks: Occupational Choices and the Returns to Skills*" – Work in progress
2020	"*Skills Beget Skills: What Can We Do About It? An Analysis on the Role of Schooling in Socio-Emotional Skills Development*" – Field work in progress. Link: LEAP Funds Young Researchers
2021	"*Birth in Hard Times When You Belong To Minorities*" (with P. Bertoli and V. Grembi) – Journal of Population Economics, March 2021
2018	"*Which skills are for the Digital Era? A Returns-to-Skills Analysis*" (with R. Grundke, L. Marcolin, and M. Squicciarini), OECD Science, Technology and Industry Working Papers, No. 2018/09, OECD Publishing, Paris. Link: OECD Science, Technology and Industry Working Papers, No. 2018/09, OECD Publishing, Paris

GRANTS & AWARDS

2021	UMD Graduate Student Summer Research Fellowship
2020-2021	International GA Tuition Fellowship
2020	Laboratory for Effective Anti-Poverty Policies – LEAP's Student Grant
2018-	Full-graduate Assistantship at the University of Maryland
2014-2017	Bocconi Scholarship for International Students
2014	Carson Family Scholarship, Kenyon College
2010-2014	Davis United World College Scholars Grant, Kenyon College
2010-2014	Kenyon College Grant
2008-2010	Shelby Davis Scholarship, United World Colleges

LANGUAGES

English	Full working proficiency	**French**	Good command
Vietnamese	Mother tongue	**Italian**	Good command

COMPUTATIONAL SKILLS

Stata	Daily use at advanced level	**SQL**	Good command
MATLAB	Frequent use	**Python**	Good command
LaTeX	Frequent use		