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Education

Brown UniversityProvidence, RI

Ph.D STUDENT IN ECONOMICS

2020 - Present

- COMPLETED COURSEWORK: MACRO-FINANCE: BEHAVIORAL AND RATIONAL, TOPICS IN MACRO AND MONETARY ECONOMICS. INDUSTRIAL ORGANIZATION
- CURRENT COURSEWORK: MACROECONOMIC SLACK, ADVANCED TOPICS IN APPLIED MACROECONOMICS, ECO-NOMIC GROWTH AND COMPARATIVE DEVELOPMENT

Williams College Williamstown, MA

B.A. IN COMPUTER SCIENCE AND ECONOMICS WITH HIGHEST HONORS

2016 - 2020

- · ADVISOR: PROFESSOR ASHOK RAI
- THESIS: THE CERTIFICATION GAME

Research Experience

2021-2022 Research Assistant for Professor Amy Handlan, Brown University

· Built audio deep learning models to classify gender, tone, and seniority for speakers in online economic seminars.

2021 Research Assistant for Professor Pascal Michaillat, Brown University

• Built a policy tool that calculates optimal public expenditure under inefficient unemployment. It can be found here.

2019-2020 Research Assistant for Professor David Y. Yang, Harvard University

 Analyzed the evolution of newspaper images in China by applying computer vision methods to webscraped newspaper PDF files.

2019 Research Assistant for Professor Kenneth Kuttner, Williams College

 Measured the effectiveness of macroprudential policies for 57 economies by calculating the portion of policy actions counter-cyclical to property prices and housing credit.

Teaching Experience

Spring 2022	Machine Learning, Text Analysis, and Economics (Undergraduate), TA for Professor Handlan, Brown University
Spring 2020	Game Theory (Undergraduate), TA for Professor Rai, Williams College
Fall 2019	Global Macro Instability and Finance (Undergraduate), TA for Professor Phelan, Williams College
Fall 2017,	Intermediate Micro (Undergraduate), TA for Professors Rai and Sheppard, Williams College
Spring 2019	

Honors & Awards

2020	Graduate Fellowship, Brown University
2019	Carl Van Duyne Prize in Economics , Williams College
2018	Class of 1960 Scholar in Computer Science, Williams College
2018	Class of 1960 Scholar in Economics, Williams College

Work In Progress.

Winner of the Carl Van Duyne Prize in Economics

Other Publications

[&]quot;Gender and Tone in Online Economics Presentations: Audio Analysis with Machine Learning," with Amy Handlan and Emily Moschini

[&]quot;The Certification Game" (Undergraduate Thesis)

[&]quot;When Rooks Miss: Probability through Chess," with Steven Miller and Daniel Turek

The College Mathematics Journal, 2021

ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2019

Other Experience _____

Fall 2018 Computer Science Research Assistant for Professor Iris Howley, Williams College

Summer 2018 Research Intern, Mobvoi Al Lab

Summer 2017 Summer Quant Analyst, Hutchin Hill Capital

Skills_

Languages Chinese, Cantonese

Programming Languages R (tidyverse), Python (pandas, nltk, tensorflow, and librosa), Stata, Java, JavaScript, C++, C

[&]quot;Assessing Post-hoc Explainability of the BKT Algorithm," with Iris Howley and Tongyu Zhou 2020 AAAI/ACM Conference on AI, Ethics, and Society (AIES'20), 2020

[&]quot;Knowledge Distillation for Recurrent Neural Network Language Modeling with Trust Regularization," with Yangyang Shi, Mei-Yuh Hwang, and Xin Lei