

# Jade Ngoc Nguyen

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## Education

Ph.D. in Economics, Boston College. <i>Fields: Applied Micro, Development, Labor</i>	May 2023
M.A. in Economics, Boston College	Dec 2017
B.A. in Economics (Honors), Brown University	May 2014

## Professional Experience

**Lightcast**, *Senior Research Analyst* Jul 2023-current

- Perform quantitative analysis by leveraging various data sources to explore, model, and recommend talent strategies
- Communicate results to high-profile clients and stakeholders via presentations and written reports
- Utilize NLP to automate processes and enhance efficiency in generating custom data-driven insights for clients

**Erdős Institute**, *Data Science Boot Camp Fellow* Sep-Dec 2023

- Led a team to deliver a [top-ranked project](#), which involved building an engine to recommend wines from flavor notes
- Developed NLP and classification models to classify wines based on text embeddings of wine reviews
- Built a pipeline utilizing Large Language Model to systematically evaluate the outputs from various modelling architectures

**Charles River Associates**, *Senior Associate Intern* Apr-Aug 2021

- Conducted statistical analyses to support antitrust litigation in automobiles, agriculture, pharmaceuticals, retail
- Tasks included: natural experiment, event study, market definition, new competitor detection, customer churning

**Boston College**, *Doctoral Researcher and Instructor* 2018-2022

- Utilized game theory, Nonparametric Regression, and Panel Data to detect income misreporting and uncover a novel mechanism that improves the screening process of welfare programs in developing countries
- Employed Diff-In-Diff to estimate the impact of tariff cuts on female labor supply and fertility decision
- Research Assistant for [Prof. Anant Nyshadham](#) and conducted econometric analyses for the paper "[Expectations, Wage Hikes, and Worker Voice: Evidence from a Field Experiment](#)" (The Economic Journal, Jul 2022)
- Taught undergraduate courses in Microeconomic Theory; TA-ed in Statistics Lab, Principles of Economics, Econometrics

**Mahindra Finance**, *Deputy Manager* 2014-2016

- Built credit default predictive models with Logistic Regression and Time-to-Event Analysis to screen default risks
- Created a web application with R Shiny to host these credit default models, serving ~1M borrowers in housing market

## Research papers

["Bunching and Learning in Targeting Poverty: Evidence from Vietnam"](#)

["Why does the sex ratio at birth rise? Evidence from Vietnam"](#) (with Yale Ph.D. candidate [Nghiem Huynh](#))

## Other writings

["Should tech companies hire more "people" managers?"](#)

## Skills

**Programming:** Python (scikit-learn, numpy, pandas, matplotlib, plotly, BeautifulSoup), SQL, Stata, R, GIS

**Machine Learning:** Regression, Classification, Ensemble Methods (XGBoost, Random Forest), NLP (spacy, sentence-transformers, Faiss, LangChain), Unsupervised Learning (Principal Component Analysis, KNN clustering)

**Econometrics:** A/B Testing, Natural Experiment, Diff-In-Diff, Panel Data, Longitudinal Analysis, Synthetic Control, Propensity-score Matching, Event Study, Regression Discontinuity, Nonparametric Regression

## Awards and Scholarships

Donald J. White Teaching Excellence Award for Graduate Teaching Assistants, Boston College	2022
Hayek Fund for Scholars from the Institute of Human Studies, George Mason University	2020
Shelby Davis Full Scholarship, Brown University	2010-2014
Omicron Delta Epsilon, Economics Department, Brown University	2014