

Rodrigo Andrés Morales Mendoza

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EDUCATION

University of Pennsylvania <i>PhD in Economics</i>	Philadelphia, PA Aug. 2018 – Present
Instituto Tecnológico Autónomo de México <i>Double Degree in Economics and Applied Mathematics, graduated in both with honours</i>	Mexico City, MX Aug. 2010 – Dec 2016

RESEARCH/WORK EXPERIENCE

Research Assistance <i>IMF</i> <ul style="list-style-type: none">Mozambique Monetary Policy Modelling	Summer 2022
Research Assistance with Prof. Laura Alfaro <i>Harvard Business School</i> <ul style="list-style-type: none">External Panel Review for World Bank: Doing Business	Summer 2021
Research Assistance <i>World Bank</i> <ul style="list-style-type: none">Doing Business:External Panel Review (Link to the review: https://apo.org.au/node/314345)	Summer 2021
Economist / Analyst <i>Banco de México</i> <ul style="list-style-type: none">Gerencia de Investigación del Sector Real - Dirección de Investigación EconómicaApplying panel vector instrumental autoregression (Generalized Method of Moments)Multivariate Singular Spectral Analysis as an alternative to the traditional X12 seasonal adjustmentTfIds and created networks to study the efficiency of communication within Banco de México	September 2016 – Present Mexico City, MX
Research in Industrial Projects for Students <i>UCLA</i> <ul style="list-style-type: none">Machine Learning information filtering system for the companyInstitute for Pure and Applied Mathematics (IPAM)GumGum Company, University of California LA, California	Summer 2016 Los Angeles, CA
Research Assistant with Prof. Felipe Meza <i>Instituto Tecnológico Autónomo de México (ITAM)</i> <ul style="list-style-type: none">Projects which included working with macro-economics, public debtFA-VAR models	January 2015 – June 2016 Mexico City, MX
Undergraduate REU, Research in the Field Lab – Neuroscience <i>Cornell University</i> <ul style="list-style-type: none">Visual Processing: Developing a Relative Depth Algorithm with PCAPsychology department	Summer 2014 Ithaca, NY

TEACHING

TA for Foundations of Market Economies <i>University of Pennsylvania</i>	Fall 2020, Fall 2021
Course instructor: Microeconomic Theory, Undergraduate level <i>Sichuan University</i>	Summer 2020
TA for Political Economics of Early Americas <i>University of Pennsylvania</i>	Spring 2020, Spring 2021
TA for Economics 2 (Macroeconomics) <i>University of Pennsylvania</i>	Fall 2019
Course instructor: Penn Summer Prep. What is Mathematics? High School level <i>University of Pennsylvania</i>	Summer 2019

AWARDS

IMF Macroeconomic Forecasting online course <i>International Monetary Fund (EdX)</i>	February 2017
Machine Learning course certificate <i>Stanford Online (coursera)</i>	June 2016
DAAD Scholarship: Hochschulsummerkursstipendium: Nanu, die Deutschen! <i>Humboldt Universität zu Berlin</i>	Summer 2015
Mathematics Project Competition Award <i>Millennium Youth Camp in Finland</i>	Summer 2011

- Dijkstra Algorithm applied to minimizing routes on Finnish Tram system (programmed on Mathematica)

LANGUAGES

Spanish <i>Mother tongue</i>	
English <i>TOEFL (115/120)</i>	2017
German B2 level <i>Humboldt Universität zu Berlin</i>	Summer 2015
French <i>DEL F A2</i>	2010

PROGRAMMING SKILLS

Languages: Python (Sklearn), Matlab, R, Stata, Java (Netbeans, Eclipse, JCreator LE), Maple, Mathematica, Latex, Eviews, Julia, Linux (Mint and Ubuntu)
Libraries: pandas, NumPy, Matplotlib

COMMUNICATION SKILLS

Motivational talk about Millennium Youth Camp for High-School: Instituto Sucre students (February 2012)
Motivational talk about Missions work for High School: Colegio Vista Hermosa students (December 2012)

SPORTS

Volleyball team member: Instituto Tecnológico Autónomo de México (ITAM), from 2012 to 2013
Banco de Mexico Basketball team member: Banco de Mexico, 2017 season