GEORGE L. SORG-LANGHANS

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- 6+ years of programming (focus on Python) and 7+ years of economic modeling experience
- Highly skilled in deep learning, machine learning, causal inference and economic modeling
- Strong interest in computer science, with courses completed in algorithms and programming systems
- Passionate about teaching and communication, awarded Princeton-wide teaching prize

EDUCATION

Princeton University, Princeton, USA - Ph.D. in Quantitative Economics Expected 2021
Dissertation topics: Deep Learning, Machine Learning and Applied Macroeconomics

Princeton University, Princeton, USA - M.A. in Quantitative Economics 2017

Trinity College Dublin, Dublin, Ireland - B.A. in Economics 2015
First Class Honors Degree and recipient of the Trinity Gold Medal

RESEARCH PROJECTS

Deep Learning Algorithm For High-Dimensional Dynamic Programming Problems: Developed a novel deep learning approach capable of solving state-of-the-art large scale models with more than 75 state variables.

Topic Extraction For the Economic Reports of the President: Natural language processing approach to extract topics from web scraped Presidential Reports to evaluate causal relationship between taxes and growth.

Sources of US Wealth Inequality: Built an overarching model to compare competing theories of wealth inequality.

LEADERSHIP AND RESEARCH EXPERIENCE

McGraw Fellow, Princeton University 2019 - Present
- Train all incoming economics instructors in best practices of teaching and classroom inclusivity.

Course Organizer, Princeton University 2018
- Organized the largest course in Princeton, Introduction to Microeconomics, with 450+ students.

Graduate Teaching Assistant, Princeton University 2017 - Present

Research Assistant to Dr. Ezra Oberfield, Princeton University 2016

Research Assistant to Dr. Philip R. Lane, Trinity College Dublin 2014

SCHOLARSHIPS & AWARDS

Princeton University Graduate School Teaching Prize 2019

Princeton Economics Department Teaching Prize 2018

Princeton University Graduate Fellowship 2015 - Present

Scholar of Trinity College Dublin 2013 - 2015
- Merit based scholarship awarded for academic excellence (given to 0.5% of class)

German National Academic Foundation (Studienstiftung des deutschen Volkes) 2012 - 2017

SKILLS & INTERESTS

Programming: Python (TensorFlow, Pandas, Scikit-Learn), Java, SQL, C, Stata, Assembly, Object Oriented Programming and Algorithms

Statistics & Machine Learning: Deep Learning, Natural Language Processing, Predictive Modeling, Causal Inference (Experiments, IV, DiD, RDD), Machine Learning for Causal Inference, Unsupervised Learning

Interests: Traveling, Cooking with Friends, Squash, Computer Science, Hiking, Reading and Board Games