

GENTRY A. JOHNSON

PERSONAL INFORMATION

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SUMMARY

My research is in econometrics, industrial organization, and behavioral economics with an emphasis on applications of machine learning to causal inference, structural modeling, and experimental design. I also have substantial experience as a data scientist and technical consultant.

EDUCATION

University of Maryland 2015-2020 (Expected) Doctor of Philosophy (Ph.D.)
Department: Economics · School: College of Behavioral and Social Sciences

University of Maryland 2015-2017 Master of Arts (MA)
Department: Economics · School: College of Behavioral and Social Sciences

University of Chicago 2012-2014 Graduate Student-at-Large
Completed coursework in preparation for an Economics Ph.D.

University of Wisconsin-Madison 2009-2012 Bachelor of Business Administration (B.B.A.)
GPA: 3.9/4.0 · Graduation with Distinction · Member of *Beta Gamma Sigma*

Tsinghua University 2011-2012 Study Abroad in Finance and Economics

ACADEMIC RESEARCH

Working Papers **Matching on What Matters: A Pseudo-Metric Learning Approach to Matching Estimation in High Dimensions** with Brian Quistorff, Microsoft Research and Matt Goldman, Facebook Core Data Science (Submitted)

Works in Progress **Effects on Player Career Earnings of Early Entry into the NBA Draft**

When Attention Wanes: An Experiment on Online Reminders with Tommaso Bondi, NYU

Delegating to Machines with Tommaso Bondi, NYU and Isaac Bjorke, NYU

WORK EXPERIENCE

2020–Present Economist · Seattle, Washington
Amazon Embedded in the Amazon Web Services (AWS) team.

2018–2019 PhD Research Intern · Seattle, Washington
Microsoft AI + Research Research generalized applications of deep learning to causal inference and structural modeling during Summer 2018 and Summer 2019.

2017–Present Data Scientist · Seattle, Washington
Hazel Analytics, Inc. Machine learning engineering in support of internal projects and new product initiatives.

2014–2015 Research Professional · Chicago, Illinois

University of
Chicago Booth
School of Business

Work principally with Nielsen-provided databases on consumer purchases across a sample of 40,000 – 60,000 reporting homes and 35,000 reporting stores; utilize R, Python, C++, and other programming tools as necessary in support of various academic research projects.

2012–2014 Economist · Chicago, Illinois

RCF Economic &
Financial
Consulting, Inc.

Generated core forecasting tools in support of multi-million dollar contract bids.

TEACHING EXPERIENCE

2017–Present Lead Instructor

University of
Maryland

- Economics of Cost-Benefit Analysis (Econ 426);
Fall 2017-2019; Spring 2018-2020
- Principles of Microeconomics (Econ 200);
Summer 2017-2019; Winter 2019

2015–2017 Teaching Assistant

University of
Maryland

- Thinking Like an Economist (Econ 111);
Spring 2017
- Intermediate Macroeconomic Theory & Policy (Econ 305);
Fall 2016
- Intermediate Macroeconomics (Econ 325);
Fall 2015, Spring 2016

COMPUTER SKILLS

Basic
Intermediate
Advanced

C++, MATLAB/OCTAVE, JAVASCRIPT, VBA

PYTHON, STATA, L^AT_EX, LINUX, BASH

R

SELECTED PRESENTATIONS

2019 Washington DC IO Day
2019 UMD IO/Theory Group
2018 Microsoft AI+Research Office of the Chief Economist
2018 University of Washington Department of Economics

OTHER INFORMATION

Conference
Participation

NBER Digitization Workshop & Meeting · March 2018, 2019
ASSA Annual Meeting · January 2017, 2018, 2019
Duke Summer Institute on the History of Economic Thought · June 2017

Academic
Involvement

2016-Present · Founder of UMD Machine Learning Group
2016-2017 · UMD Economics Graduate Student Association

Diplomatic
Experience

Summer 2014 · Visiting Fellow · ROC (Taiwan) Ministry of Foreign Affairs

Languages

ENGLISH · Fluent (native)
SPANISH · Fluent
PORTUGUESE · Proficient
MANDARIN CHINESE · Proficient

January 13, 2020