

# W. Michael Wooley

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## EDUCATION

**Northwestern University**, Evanston, IL

*M.A. in Economics*, 2014-2017

**University of Pittsburgh**, Pittsburgh, PA

*B.A. in Philosophy* (Summa Cum Laude), 2014

*B.S. in Mathematics-Economics* (Summa Cum Laude), 2014

## TECHNICAL SKILLS

Python (esp. TensorFlow, theano, NumPy, SciPy, Pandas, scikit-learn), JavaScript (esp. D3.js, jQuery, React, Redux, Electron), R, Matlab, Julia, Fortran, Stata, SQL, L<sup>A</sup>T<sub>E</sub>X, Adobe InDesign.

## WORK AND RESEARCH EXPERIENCE

**Grant Thornton**, Chicago, IL

Jan. 2018-*present*

*Senior Economist*

- Designing and implementing a flexible macroeconomic forecasting framework (BVAR+Dynamic Factor Models, hierarchical hyperparameter selection, conditional forecasts) along with user interface using React and Electron.
- Carry out ad hoc research as needed. Recent example is analysis of downstream effects of steel and aluminum tariffs (see [this link](#) for interactive maps).
- Aid in standing up economics group at Grant Thornton: addition of economics blog to website, setting up emailing platform, coordination of workflows for distributing research to internal and external clients.

**Diane Swonk Economics**, Chicago, IL

Jun. 2017-*present*

*Economic Consultant*

- Part-time consulting work that became full-time when DS Economics was absorbed by Grant Thornton in January 2018. Please see above for description of work.

**Cloverleaf.me**, Cincinnati, OH

Jun. 2017-Nov. 2018

*Consultant*

- Developing research on team interactions using GitHub repository data.
- Shoveling and analyzing data using Python (Pandas, pymongo).
- Analyzing “core” development teams, performance, and interactions using clustering, decomposition, and regression.

**Northwestern University**, Evanston, IL

2016

*Graduate Research Assistant, Department of Economics*

- Collected, evaluated, and documented data on traded and non-traded commodity prices and quantities.
- Aided in data preparation process: harmonizing time series, documenting code, debugging.
- Proofread paper drafts for accuracy, clarity, and grammar.

## SELECTED PAPERS AND PRESENTATIONS

- (1) “Fiscal Centralization: Theory and Evidence from the Great Depression”. *American Economic Journal: Economic Policy*, May 2018. (with Daniele Coen-Pirani)
- (2) “Labor Market Consequences of Graduating During a Recession: The Case of the Termites”, 2017.
- (3) “Monetary Policy in an Economy with Production Networks”, 2017. (Northwestern Macro Lunch)
- (4) “State-Local Centralization During the Great Depression: A Case Study of Ohio”, 2013.
- (5) “Pitt and the Worker Rights Consortium: An Argument for Affiliation”, 2013. (On behalf of Pitt #NoSweat Coalition Against Sweatshop Labor)

(Shorter blog posts, links to research, and replication files can be found at [michaelwooley.github.io](https://michaelwooley.github.io).)

## TEACHING EXPERIENCE

**Northwestern University**, Evanston, IL 2015-2017

*Graduate Teaching Assistant, Department of Economics*

- Taught weekly sections of 10-40 students in five different courses.
- Developed teaching materials and evaluations/exams.
- Graded various assignments and tests. In cases where writing is involved, focused on argument development, effective use of statistics, and exposition of economic intuition.

**Summerbridge Pittsburgh (Breakthrough Collaborative)**, Sewickley, PA Summer 2011

*Teacher (Biology)*

- Taught seventh grade biology in intensive six-week summer school.
- Prepared and carried out daily lesson plans consisting of labs, lectures, and homework.
- Responsible for observing, aiding, disciplining, and communicating with guardians of three main students (primary), twenty-six students on seventh-grade team (as part of teaching team), and all students in program.

## LEADERSHIP

**Pittsburgh Undergraduate Review**, Pittsburgh, PA 2010-2014

*Editor-in-Chief, 2013-2014*

*Assistant Editor, 2012-2013*

*Editorial Board Member, 2010-2014*

- A peer-reviewed, interdisciplinary journal published by the Honors College of the University of Pittsburgh.
- Organized details of journal publication: design, copyediting, budgeting, and distribution.
- Reduced time to reply to authors by implementing desk reject policy.
- Identified and secured faculty referees in relevant areas of expertise for selected submissions.
- Recruited new members via mailing lists, club fairs, etc.

**AIDPitt/Pitt #NoSweat Coalition Against Sweatshop Labor**, Pittsburgh, PA 2012-2014

*Secretary, 2012-2014*

*Research Head, 2012-2014*

- Wrote policy paper for successful #NoSweat campaign, which was designed to be accessible to a non-expert audience while signaling knowledge and dedication to cause.
- Negotiated with and educated University of Pittsburgh administrators on behalf of #NoSweat Campaign.
- Spoke to and recruited student groups to join #NoSweat Coalition, which eventually counted more than fifty organizations as members.
- Ran weekly newsletter (~500 recipients) and wrote accompanying haiku.

## FELLOWSHIPS AND AWARDS

University Fellow, Northwestern University 2014-2015

Jerome C. Wells Award, Department of Economics, University of Pittsburgh 2014

University Scholar, University of Pittsburgh 2013, 2014

First Prize, Ossip Awards for Excellence in Undergraduate Writing, University of Pittsburgh 2013

Chancellor's Undergraduate Research Fellowship, University of Pittsburgh Spring 2013

Marion McKay Prize, Department of Economics, University of Pittsburgh 2012

Brackenridge Undergraduate Research Fellowship, University Honors College 2012

University Honors College Tuition Scholarship, University of Pittsburgh 2010-2014