

## Education

### Northwestern University

ABD, PhD Economics

2015 –

Evanston, IL

### Northwestern University

MA Economics

2013-2015

Evanston, IL

### George Mason University

BA Mathematics

2009 – 2013

Fairfax, VA

## Projects

### Chomper: Internet Blocking Productivity App for Linux

Sole creator/maintainer ([Github](#)); Longer description [on my website](#)

- > Developed Python-based application to “whitelist” or “blacklist” websites for set durations of time
- > Featured on [FLOSS Weekly](#), a prominent open-source podcast, to discuss Chomper

### Subscription and Advertising Revenue in New Media: Evidence from the Patreon Hack

Joint with Heyu Xiong; Longer description [on my website](#)

- > Scraped novel dataset with Python to study how the introduction of subscription revenue streams impacts content creation behavior of “new media” creators
- > Estimated microeconomic models in R and cleaned unstructured text data from YouTube video captions using Python’s *nltk* package
- > Used Python’s *nltk* package to classify YouTube videos as clickbait using a Naive Bayes estimator

### Technological Change in the American Newspaper Industry, 1960–1976

Joint with Luca Bittarello and Yiling Zhao; Description [on my website](#)

## Other Experience

### Research Assistant for Prof. Ben Jones

Sep 2015 - Aug 2016

- > Wrote Python web scrapers of “Web of Science” database, and estimated econometric models in R

### Teaching Assistant (TA)

Sep 2014 - June 2019

- > TA for several courses: Economics of Transportation (3x), Experimental Economics, U.S. Economic History After 1865 (2x), Senior Thesis Seminar (2x), Intro to Microeconomics (1x)
- > Received distinguished TA award in 2014 (only year of eligibility)

## Skills/Tools

**Most Experience With** Python (4 years),  $\text{\LaTeX}$  (9 years), UNIX/Linux (4 years), vim/emacs (4 years), Applied Econometrics (6 years), Web Scraping (4 years), R (3 Years), SQL (4 Years)

**Some Experience With** Vagrant, Terraform, AWS, nltk, scikit-learn, HTML, CSS

## References

### Professor Joel Mokyr

j-mokyr@northwestern.edu

### Professor Ben Jones

bjones@kellogg.northwestern.edu