

# JACOB SOWDER



## EDUCATION

2018  
|  
2014

### B.A. in Economics

Vassar College

📍 Poughkeepsie, NY

- Applied Statistical Methods & Econometrics focus
- Awarded as a Ford Scholar in the Economics Department
- Served within student government and as a residential mentor



## PROFESSIONAL EXPERIENCE

2019  
|  
2018

### Product Modeling Analyst

GEICO

📍 Washington, D.C.

*Identified fraud and waste to save customers money*

- Contributed to code identifying fraud using novel data source and geographical clustering algorithms
- Chosen by executives to present budget analysis and forecasting that were used by CEO and board members
- Saved thousands in budgeting expense and millions in fraud expenses as member of an enterprising team

2018  
|  
2016

### Research Assistant

Economics Department, Vassar College

📍 Poughkeepsie, NY

*Compiled & analyzed 19th-century railway data*

- Learned new programs quickly, including QGIS, to compile an original dataset of railroad construction in United States in the 19th century
- Hired for an extended period due to success on the project



## RECENT HISTORY

2020

### Projects & Self-Teaching

*Months expanding skills in web development and Python*

- Python Projects (API integrations, Django, Pandas, Numpy)
- New/open-source R packages (BitBar, AudibleR, ProPublicaR)
- Web Development (HTML/CSS, SASS, Django, static sites)

2019

### Independent Travel & Study

*Flew across the world for 3 months*

📍 Various

- Pored over the British Industrial Revolution
- Grappled with Yugoslavian breakup & genocide
- Marveled at Classical Greco-Roman feats & undoings

## CONTACT

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## SKILLS

✓ R, Python

✓ SQL, Excel, VBA, Git

✓ HTML/CSS, Django

Experienced in statistical analysis, traditional modeling, and machine learning. Big data or otherwise.

Self-taught in web development & design (HTML/CSS, Django).

Comfortable building and integrating APIs, deploying to existing codebases, and generating reports.



*Route for 3 months of recent independent travel & study*