

JACOB SOWDER



EDUCATION

2018
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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
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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 the CEO and board members
- Saved money in unnecessary budgeting expenses in fraud exposure as member of an enterprising team

2018
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2016

Research Assistant

Economics Department, Vassar College

📍 Poughkeepsie, NY

Compiled & analyzed 19th-century railway data

- Learned new programs quickly, including GIS, 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

Side Projects & Learning

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

Travel & Study Experience

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

✓ Python, R

✓ SQL, Excel, GIS, VBA, Git

✓ Django, R Shiny, HTML/CSS

Statistical **analysis**, traditional **modeling**, and **machine learning**.

Building **dashboards** with R Shiny, **apps** and **user interfaces** in Django, **web design** in HTML/CSS.

Integrating **APIs**, deploy to both **new and legacy** systems, and generate useful **reports**.



Route for 3 months of recent independent travel & study