JACOB SOWDER

Bringing strong data experience, a unique history, and eagerness to help.

🎓 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 I & II
GEICO   📍 Washington, D.C. Area
Built internal tools for forecasting & segmentation

- Contributed to code that used a geographical clustering algorithm to adjust customer information and determine behavior
- Built dozens of automated reports, dashboards, and data visualizations using SQL, R, Excel, and BI tools
- Was selected by executives to present department-wide analysis and forecasting that drove multimillion-dollar decisions

2018 | 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

Professional Development
Months used expanding technical skills
- Python Projects (Django Apps, Shiny Apps, API integrations)
- New and open-source R packages (BitBar, AudibleR, ProPublicaR)
- Web Development (Django, HTML/CSS, SASS, static sites)

2019

Travel & Study Experience
'Gap year' for development & education   📍 Various
- Visited 20+ countries, route in sidebar
- Learned from other mindsets, cultures, and histories

CONTACT

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EXPERIENCED IN…

✔ **Python, R, SQL**

✔ **Agile Development**

✔ **Excel (Pivots, Vlookups, VBA)**

✔ **Git/Github, AWS/GCP**

Integrating APIs, deploying to both **new and legacy** systems, and generating useful **reports**.

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

Providing deliverables, **clarifying** expectations, and **coordinating** with stakeholders.

Route for 3 months of recent independent travel & study