

harrison kirk

Side Projects

PyCongress 

Python client for Congress.gov's API.

College Scorecard Data Pipeline     

Data pipeline for analysis of postsecondary education data sourced from the College Scorecard API.




Experience

Education Analytics

Madison, WI

06.2021 –
11.2022

Research Analyst II


Built and designed a front-end web application for a client using  Shiny, , and . Data ingested from a Snowflake data warehouse using SQL, analysis and visualizations created with R, deployed on AWS.

Supported production on several research and evaluation and predictive analytics projects using big data. Worked extensively on QA, wrote scripts and functions to automate data quality testing.

Mentored an intern, responsible for code reviews and training.

06.2021 –
06.2022

Research Analyst I

Wrote performant and robust  code to transform, analyze, and visualize education datasets across a variety of sources and formats.

Worked across teams using software engineering best practices (version control, conscientious memory usage, and writing documentation).

SLO County Behavioral Health Department

San Luis Obispo, CA

10.2019 –
06.2021

Data Analyst Intern

Cleaned, reshaped, and analyzed public health data for County research evaluation programs.

Led development of an innovative patient tracking dashboard for use in a psychiatric care facility.

Created complex data visualizations for County annual reports, stakeholders, and other public releases.

Mustang Media Group

San Luis Obispo, CA

09.2020 –
06.2021

Data & Investigations Reporter

Researched, wrote, and edited award-winning news articles on data-driven issues in the Cal Poly community.

California State Assembly

San Luis Obispo, CA

04.2019 –
06.2019

Student Intern

Supported research, constituent communications, and survey data collection for California's 35th State Assembly district.

Education

09.2017 –
06.2021

Cal Poly, San Luis Obispo

- BA, Political Science; Concentration in Global Politics
- Minor in Statistics

Upper-level coursework in computing, applied regression analysis, statistical modeling, and experimental design.








Co-wrote a California Senate Bill (now a law) addressing housing inequality in postsecondary education.

Editor for *Paideia Journal of Political Science*.

Contact

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Personal

 hawkkirk.com
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 travel, hiking, writing
 hip hop, ambient, electronic
 fozzy




Skills

 R
 Python
 SQL
 HTML
 CSS
 Airflow
 AWS
 Docker

Awards & Publications

 Associated Collegiate Press Individual Award for COVID-19 Coverage - Oct. 2021
 SAGE Publishing Award - Jun. 2021
 California College Media Award for Best Social Media Reporting - Mar. 2022
 Kirk, H. A. (2021). Political Determinants of Adherence to Public Health Guidance: Analyzing Mobility in the COVID-19 Pandemic. *Paideia Journal of Political Science*, 8, 114-131.

Volunteer Experience

 Field research at SLO Bangers SEP
 Meal distribution and facility maintenance at ECHO Homeless Shelter
 Cal Poly New Student Orientation Leader