

# harrison kirk

## Side Projects








### PyCongress

Python client for Congress.gov's API.

### College Scorecard Data Pipeline

Data pipeline for analysis of postsecondary education data. Data sourced from the College Scorecard API, Python-based ETL process orchestrated with dockerized Airflow.

## Experience

06.2021 – Present	<b>Education Analytics</b> <span>Madison, WI</span>
	<i>Research Analyst I / Research Analyst II</i>
	<p>Write performant and robust  code to transform, analyze, and visualize education datasets across a variety of sources and formats.</p> <p>Implement quality control functions and other proactive data quality checks in analytics workflows. Work extensively with PII while applying data security best practices to keep student data and passwords/keys protected.</p> <p>Write  queries to extract data; use DBeaver and Snowflake UI to interface with databases.</p> <p>Design front-end web applications using  Shiny, , and .</p> <p>Collaborate across teams using software engineering best practices like version control, conscientious memory usage, and writing concise documentation.</p> <p>Mentor an intern, assisting with code reviews and training.</p>
10.2019 – 06.2021	<b>SLO County Behavioral Health Department</b> <span>San Luis Obispo, CA</span>
	<i>Data Analysis &amp; Reporting Intern</i>
09.2020 – 06.2021	<b>Mustang Media Group</b> <span>Cal Poly Journalism Dept.</span>
	<i>Data &amp; Investigations Reporter</i>
	<p>Researched, wrote, and edited award-winning news articles on data-driven issues in the Cal Poly community. Received a SAGE Publishing scholarship for statistical work.</p> <p>Used  and  to scrape, clean, and visualize data for articles that generated tens of thousands of interactions.</p>
04.2019 – 06.2019	<b>California State Assembly</b> <span>San Luis Obispo, CA</span>
	<i>Student Intern</i>
	Supported research, constituent communications, and survey data collection for the district office of Assemblyman Jordan Cunningham.








## Education

09.2017 – 06.2021	<b>Cal Poly, San Luis Obispo</b>
	<ul style="list-style-type: none"><li>BA, Political Science; Concentration in Global Politics</li><li>Minor in Statistics</li></ul> <p>Upper-level coursework in computing, applied regression analysis, statistical modeling, and experimental design.</p> <p>Co-wrote a California Senate Bill (now a law) addressing housing inequality in postsecondary education.</p> <p>Editor for <i>Paideia Journal of Political Science</i>.</p>


## Contact

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## Personal


 hawkkirk.com  
 hawkkirk  
 /in/hawkkirk  
 @hrrsnkrk  
 music production, nature, writing  
 hip hop, ambient, soul  
 foxy


## Skills


 R  
 Python  
 SQL  
 HTML  
 CSS  
 Airflow  
 AWS  
 Docker

## Publications & Awards


 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.


 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

## Volunteer Experience

 Field research at SLO Bangers SEP

 Meal distribution and facility maintenance at ECHO Homeless Shelter

 Cal Poly New Student Orientation Leader