

Side Projects

College Scorecard Data Pipeline [Python](#) [SQL](#) [Airflow](#) [AWS](#) [Docker](#)

End-to-end ELT pipeline for analysis of postsecondary education data from the College Scorecard API.

[hawkkirk.com](#) [HTML](#) [CSS](#)

Lightweight personal website to host short bio, CV, and projects.

Experience

- 06.2021 – Present

Education Analytics

Madison, WI

Research Analyst I / Research Analyst II

Write performant and robust [R](#) code to transform, analyze, and visualize education datasets across a variety of sources and formats.

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.

Write [SQL](#) queries to extract data; use DBeaver and Snowflake UI to interface with databases.

Design front-end web applications using [R](#) Shiny, [HTML](#), and [CSS](#).

Collaborate across teams using software engineering best practices like version control, conscientious memory usage, and writing concise documentation.

Mentor an intern, assisting with code reviews and training.
- 10.2019 – 06.2021

SLO County Behavioral Health Department

San Luis Obispo, CA

Data Analysis & Reporting Intern

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

Wrote [R](#) scripts to automate reporting processes, saving 4+ hours of work per report.

Led ideation and 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.
- 09.2020 – 06.2021

Mustang Media Group

Cal Poly Journalism Dept.

Data & Investigations Reporter

Researched, wrote, and edited award-winning news articles on data-driven issues in the Cal Poly community. Recieved a SAGE Publishing scholarship for statistical work.

Used [Python](#) and [R](#) to scrape, clean, and visualize data for articles that generated tens of thousands of interactions.
- 04.2019 – 06.2019

California State Assembly

San Luis Obispo, CA

Student Intern

Supported research, constituent communications, and survey data collection for the district office of Assemblyman Jordan Cunningham.

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](#)
🔗 [hawkkirk](#)
📺 [/in/hawkkirk](#)
🐦 [@hrrsnkrk](#)
💖 music production, nature, writing
🎵 hip hop, ambient, soul
🍺 fozyy

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