

harrison kirk

✉: harrison@hawkirk.com

🌐: hawkirk.com

☎: (702) 239-7790

🌐: hawkirk

🐦: @hrrsnkrk

EXPERIENCE

- **Education Analytics, Inc.** Madison, WI
Research Analyst Jun 2021 - Present
 - Write performant and production level R code to clean, wrangle, and analyze education datasets with millions of observations.
 - Work with researchers to rigorously test and debug statistical model outputs, record linkage, and data quality issues.
 - Develop reactive dashboards and front-end web applications using R Shiny, HTML, and CSS.
 - Work with engineering teams using SQL and Linux tools to interact with data warehouses.
 - Exercise software engineering best practices such as version control, code refactoring, and writing concise documentation.
- **County of San Luis Obispo Behavioral Health Department** San Luis Obispo, CA
Data Analysis & Reporting Intern Oct 2019 - Jun 2021
 - Cleaned, reshaped, and analyzed public health data for internal County research evaluation programs.
 - Wrote scripts to automate reporting processes, saving 4+ hours of work per report.
 - Developed an innovative patient tracking dashboard for use in a psychiatric care facility.
 - Created complex data visualizations for County annual reports, newsletters, and other public releases.
- **Mustang Media Group** San Luis Obispo, CA
Data Reporter Apr 2019 - Jul 2019
 - Researched, wrote, and edited award-winning news articles on data-driven issues in the Cal Poly community.
 - Scraped, cleaned, and visualized data for web articles that generated tens of thousands of pageviews.
- **San Luis Obispo Syringe Exchange and Overdose Prevention Program** San Luis Obispo, CA
Field Researcher Aug 2020 - Aug 2021
 - Adapted overdose prevention treatments through analysis of public health data recorded from weekly outreach sessions.
 - Counseled participants on safe naloxone usage, bloodborne illness prevention, and other harm reduction practices.
- **District Office of Assemblyman Jordan Cunningham** San Luis Obispo, CA
Student Intern Apr 2019 - Jul 2019
 - Researched and reported on local ordinances for internal research and constituent requests.

EDUCATION

- **Cal Poly, San Luis Obispo** San Luis Obispo, CA
BA, Political Science; Minor in Statistics; GPA: 3.36 Sep 2017 - Jun 2021
 - Co-wrote a California Senate Bill addressing housing inequality in postsecondary education. SB 467 was signed into state law by Governor Newsom in the Fall of 2019.
 - Editor for *Paideia*, the Cal Poly Political Science Department's academic journal.
 - 2018-2019 Cal Poly New Student and Transition Programs Orientation Leader

SKILLS

- R (tidyverse, Shiny, data.table)
- Python (NumPy, pandas, Matplotlib)
- SQL, SAS, & SPSS
- HTML & CSS
- Excel (Pivot tables, queries, formulas)
- Data manipulation and cleaning
- Data visualization and dashboarding
- Statistical modeling
- Record linkage
- Reactive programming

PUBLICATIONS & AWARDS

- kirk, harrison. "Political Determinants of Adherence to Public Health Guidance: Analyzing Mobility in the COVID-19 Pandemic." *Paideia* 8, (Spring 2021): 114-131.
- 2021 Associated Collegiate Press Award Finalist for COVID-19 Reporting - October, 2021
- Awarded a SAGE Publishing scholarship for statistical reporting - May, 2021

VOLUNTEER EXPERIENCE

- **El Camino Homeless Organization** Atascadero, CA
Supported meal distribution, facility maintenance, and COVID-19 response. Mar 2020 - Jul 2020
- **Garden House Morro Bay** Morro Bay, CA
Helped with yard work at an assisted care facility for individuals with Alzheimer's disease. Mar 2019