harrison kirk

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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 — *Sep 2020 - May 2021*
- 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*