James Settles, MPH

Data Analyst | Los Angeles, CA | 540-479-7087 | settles.james.b@gmail.com

https://www.linkedin.com/in/james-settles/ | https://github.com/eyefixcode | https://eyefixcode.github.io/

PROFESSIONAL EXPERIENCE

Data Analyst Intern, Community Engagement   09/2024 – Present

Southern California Clinical Translational Science Institute – Los Angeles, CA

- Optimized data storing, cleaning, and transformation for Diabetes Prevention and Management program supporting medically vulnerable communities in Los Angeles
- Developed 2 Power BI dashboards to visualize program impact

Systems Engineer, Systems Engineering   02/2022 – 01/2023

Curative Inc. – Los Angeles, CA

- Created algorithm to gather real-time disease prevalence data via Python to inform PCR lab scaling for COVID-19 pandemic
- Developed 1 agent-based model for company executives to pinpoint staffing needs and calculate FTEs
- Created SQL queries for stakeholders illustrating KPIs and robust business intelligence dashboards

Scientist-Automation Specialist, Vaccines Sciences   11/2019 – 02/2022

PPD Inc. (part of ThermoFisher Scientific) – Richmond, VA

- Executed 1 data-mining project to gain insights into lab instrument utilization, findings were used as justification for an additional shift which increased workplace efficiency by 33%
- Constructed 3 Power BI dashboards with DAX functions and integrated data sources from SQL, ODBC, Salesforce, and static file formats (.csv, .txt, .xls) for Finance, Automation, and Clinical Lab Operations teams
- Programmed 2 VBA excel macros to increase efficiency in clinical sample storage procedures

Research Assistant, Urban Ecology   01/2019 – 06/2019

VCU – Richmond, VA

- Launched a longitudinal study in Richmond, VA that monitored air quality trends via use of 8 portable particulate matter sensors deployed across the area.

EDUCATION

University of Southern California   05/2023 – 08/2025

- Master's in Public Health (MPH) – Biostatistics and Epidemiology

Virginia Commonwealth University   08/2015 – 05/2019
- Bachelor of Science (BS) – Biology | Chemistry Minor

SKILLS

- Python
- SQL (SSMS/Oracle/SQLite)
- SAS
- SPSS
- STATA
- R
- Microsoft Power Platform – Power BI / Power Automate / SharePoint
- Excel VBA Macros
- Windows (CMD/.Batch) scripts
- MacOS (.Bash) scripts

AWARDS

PPD Inc. (part of ThermoFisher Scientific)   02/2021
- CEO Defining Excellence award recipient for automating assay development, validation, and production to accelerate Moderna COVID-19 vaccine efficacy trials for SARS-CoV-2/Omicron variants.

ORGANIZATIONS

- Society for Laboratory Automation and Screening (SLAS)   06/2022 - Present
- American Society for Microbiology (ASM)   01/2023 - Present

CERTIFICATIONS

- APRU – Mini Certificate Training in Health Research Ethics   02/2025
- Harvard Business Publishing – Project Management Certification   08/2024
- freeCodeCamp – Responsive Web Design   09/2023
- Hamilton Company – Venus Software Development Training   05/2021

VOLUNTEER EXPERIENCE

- Massey Cancer Center Assistant, *VCU Hospital*, Richmond, VA   01/2019 – 06/2019
- Surgical Trauma ICU Assistant, *VCU Hospital*, Richmond, VA   05/2017 – 08/2017
- PT Assistant, *Mary Washington Hospital*, Fredericksburg, VA   05/2016 – 08/2016
- Student Volunteer, *VCU Office of Sustainability*, Richmond, VA   01/2016 – 06/2016