JAMES SETTLES

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PROFESSIONAL EXPERIENCE

Systems Engineer, Systems Engineering   February 2022 - January 2023
Curative Inc. - Los Angeles, CA

- Analyzed public disease data to inform lab expansion for COVID-19 and Monkeypox
- Developed 1 agent-based model for company executives to identify staffing needs and calculate FTEs
- Built 4 business intelligence dashboards to give insight into Turn-Around-Time, positivity rates, and site-based clinical information for stakeholders from both internal and cross-functional groups
- Created SQL queries for stakeholders, while maintaining HIPAA compliance

Scientist, Vaccines Sciences   November 2019 - February 2022
PPD Inc. (ThermoFisher Scientific) - Automation Specialist, 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 Power BI dashboards with DAX functions, which integrated to data sources via SQL, ODBC, Salesforce, and static file formats (.csv, .txt, .xls) for Finance, Automation, and Clinical Lab teams
- Programmed 2 VBA excel macros to increase efficiency in clinical sample storage procedures

Research Assistant, Urban Ecology   January 2019 - June 2019
VCU - Richmond, VA

- Designed 1 longitudinal observational study in Richmond, Virginia alongside other researchers to analyze air quality by deployment of 8 air quality devices measuring particulate matter (PM 2.5 m)

EDUCATION

University of Southern California   May 2023 - Present
Master's in Public Health (MPH)

- GPA - 3.74
- Concentration: Biostatistics and Epidemiology

Virginia Commonwealth University   August 2015 - May 2019
Bachelor of Science (BS)

- Minor in Chemistry

CORE COMPETENCIES

- Python
- R
- SQL (SSMS/Oracle/SQLite)
- SAS
- SPSS
- Windows CMD/.Batch Script Creation
- MacOS .Bash Script Creation
- Microsoft Power Platform (Power BI/Power Automate/SharePoint)
- Microsoft Excel VBA Macros
- GitHub
- PostMan API

AWARDS

PPD Inc. part of ThermoFisher Scientific   February 2021
- Moderna team award recipient for exceptional performance in automation of assay development, validation, and production to expedite rate of assessing COVID-19 vaccine efficacy clinical trials for SARS-COV-2/Omicron variants

ADDITIONAL INFORMATION

Society for Laboratory Automation and Screening (SLAS)   June 2022 - Present
American Society for Microbiology (ASM)   January 2023 - Present

PROFESSIONAL QUALIFICATIONS

HAMILTON Company - Venus Software Development Training, Venus   May 2021

VOLUNTEER EXPERIENCE

Massey Cancer Center Library Assistant, VCU MCV Hospital, Richmond, VA   January 2019 - June 2019

Surgical Trauma ICU Assistant, VCU MCV Hospital, Richmond, VA   May 2017 - August 2017

Physical Therapy Assistant, Mary Washington Hospital, Fredericksburg, VA   May 2016 - August 2016

Volunteer, VCU Office of Sustainability, Richmond, VA   January 2016-June 2016