

SUMMARY	Analytics Engineer & Workflow Optimizer who turns chaotic clinical and nonprofit data into HIPAA-ready, self-serve pipelines with R/Python + Power Automate, cutting manual effort up to 70% and replacing ad-hoc chaos with repeatable, compliant systems.	
SKILLS	Core Stack: Python (pandas, numpy, requests), R (tidyverse), SQL, dbt (self-teaching) Automation: Power Automate, Bash / Zsh Scripting, Windows Task Scheduler Data Platforms: PostgreSQL, MySQL, REDCap (clinical), REST APIs, Salesforce Version Control: Git, GitHub, GitLab Visualization: Power BI, Tableau, Altair, Quarto Process Design: Workflow Mapping / Documentation, Cross-functional Collaboration, ETL	
EXPERIENCE	Data Analytics Engineer - Michigan Alzheimer's Disease Center, Michigan Medicine	2023-06 - Present
	<ul style="list-style-type: none">Reduced manual entry 40% by engineering daily REDCap ↔ SharePoint pipelines with R and Power Automate.Built PEARL, a centralized participant-management platform for research studies: led system analysis, mapped and documented workflows, and automated SharePoint/Power Automate processes that streamline multi-study tracking.Accelerated team ramp-up from weeks to days by designing a GitLab onboarding course and reusable code templates that standardize analytics workflows.	
	Instructional Aide - University of Michigan, School of Information	2022-08 - 2023-04
	<ul style="list-style-type: none">Collaborated with the teaching team via GitHub to develop Python lessons and implement Gradescope autograders, managing 150+ student submissions.Provided code debugging support and facilitated student learning, ensuring a smooth grading process and technical assistance for course participants.Supported course operations by managing student data in Canvas, including roster updates, grade tracking, and coordination with instructors to ensure data accuracy and timely feedback.	
	Professional Services Intern - EnterpriseDB	2022-05 - 2023-04
	<ul style="list-style-type: none">Built and documented workflow templates for global teams, standardizing onboarding and delivery in a distributed environment.	
	Development Operations Manager - World Central Kitchen	2019-07 - 2021-06
	<ul style="list-style-type: none">Led the migration from ActBlue to Salesforce, ensuring seamless data transition, system integration, and the establishment of efficient development processes.Administered Salesforce for a \$250 M fundraising engine: built ad-hoc dashboards and visualizations that gave executives real-time insight into campaign ROI, donor retention, and disaster-relief cash flow.Launched and integrated Classy with Salesforce via custom APIs, automating online receipt workflows and boosting one-click donation conversion by 35 % during high-urgency appeals.Supported revenue growth from \$10M to \$250M by driving data accuracy, system efficiencies, and operational scalability during high-impact periods, such as disaster relief efforts.	
	Development Operations Director - City Year Washington, DC	2018-08 - 2019-06
	<ul style="list-style-type: none">Led a cross-functional team of three (Comms, Events, Executive Support), streamlining workflows and performance KPIs to keep campaigns, collateral, and leadership requests moving in lock-step.Produced City Year DC's flagship gala and key fundraising events, coordinating vendors, sponsors, and volunteer corps to exceed annual donor-engagement and revenue targets.	

Development Operations Manager - <i>City Year Washington, DC</i>	2017-08 - 2018-08
<ul style="list-style-type: none">◦ Network data liaison: aligned DC's Salesforce fields, naming conventions, and KPI definitions with national HQ, enabling apples-to-apples reporting across 28 sites.◦ Team lead for brand visibility: supervised a Communications Associate, set the social-media calendar, and coordinated email + event collateral to amplify local campaigns.◦ National analytics voice: helped design a Power BI network dashboard that gave site leaders real-time fundraising snapshots.	

Development Operations Associate - <i>City Year Washington, DC</i>	2015-07 - 2017-07
<ul style="list-style-type: none">◦ Guardian of 40k+ Salesforce records: handled daily donor-gift entry, resolved data conflicts, and produced weekly giving/retention reports for the leadership team.◦ Executive support hub: managed calendars, donor correspondence, and briefing packets for the Executive Director and two Development Directors.◦ Creative collateral producer: built print and digital assets in InDesign/Photoshop for campaigns, volunteer drives, and a 400-guest gala.◦ Donor-thank-you optimizations: tightened acknowledgement workflows, cutting turnaround time from weeks to days and improving donor satisfaction.	

PROJECTS

PEARL: Centralized Participant Data System	
Built and scaled the Participant Engagement and Research Lifecycle (PEARL) platform, automating workflows with Power Automate and Microsoft 365 to streamline multi-study participant tracking. Resulted in 40% reduction in manual entry and improved consistency of participant records across 10+ concurrent studies.	2024-04
<ul style="list-style-type: none">◦ R, REDCap, Microsoft 365, Power Automate	

Eligibility Rule Engine and Document Automation (R + REDCap)	
Developed an R script to aggregate REDCap participant data, automate eligibility evaluation, and generate standardized PDF reports. Reduced manual review time by 50% and improved documentation accuracy across stakeholder teams.	2023-10
<ul style="list-style-type: none">◦ R, Batch Scripting, REDCap	

Secure PHI ETL Pipeline with R and Power Automate	
Automated PHI extraction and REDCap archiving via R and Power Automate. Created structured, low-friction workflows for PHI delivery while maintaining HIPAA compliance and access control.	2025-01
<ul style="list-style-type: none">◦ R, Task Scheduler, Power Automate	

CERTIFICATES

PostgreSQL 13 Certification	
EDB (Credential ID: EDB34938)	

EDUCATION

University of Michigan, School of Information	2021-08 - 2023-04
Master's of Science - Information (Focus: Data Analytics)	
