

SAUL RICHARDSON

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| EDUCATION | Williams College <i>Bachelor of Arts in Computer Science and Economics with Honors</i> Thesis: Not All Economic Fluctuations Are Alike : Disentangling Their Effect On Labor Market Inequality Coursework: Data Structures, Machine Learning, Advanced Econometrics, Algorithms, Monetary Economics | 2019 – 2023 |
| EXPERIENCE | KPMG <i>Associate – Modeling, Credit & Liquidity</i> — Architected, coded, and deployed an LLM-powered regulatory compliance automation platform for a large bank's IDI resolution plan submission to the FDIC (12 C.F.R. § 360.10), delivering : <ul style="list-style-type: none">• an embedding-free indexing and retrieval layer that surfaces requirement-relevant evidence across 100+ internal documents and supports audit-ready drafting and review• a pipeline that converts regulatory text into structured requirements and produces a requirements-to-evidence matrix for coverage tracking and reviewer sign-off• grounded narrative generation that drafts requirement-aligned regulatory narratives with traceable, source-linked citations to internal documentation• a compliance gap assessment that flags documentation/process/control gaps against requirements and generates a prioritized remediation action list for execution• an inline review workflow that captures reviewer feedback and automatically re-runs generation so updates propagate without manual rewrites over iterative review cycles — Contributed to an independent review of model validation work for U.S. housing GSE <ul style="list-style-type: none">• Reviewed production and model code for constraint enforcement and change-control coverage ; benchmarked back-testing design against MRM lifecycle standards — Provided surge support across AML investigations and KYC remediation <ul style="list-style-type: none">• AML Surge: Conducted transactional and customer-risk analysis and drafted ~ 5 SARs/day with regulator-ready narratives aligned to the bank's AML policy.• KYC Remediation: Remediated ~ 300 customer accounts following OCC regulatory finding, closing CIP/CDD gaps and documenting outcomes to BSA/AML standards. | New York, NY Jun 2024 – Present |
| PROJECTS | New York University <i>Junior Research Scientist</i> — Programmed data pipelines for economics research projects leveraging LLMs <ul style="list-style-type: none">• AI + Zoning: Uncovering yhousing supply constraints by processing zoning codes at scale.<ul style="list-style-type: none">– Built end-to-end pipeline for discovering historical zoning ordinances from newspaper scans ; implemented scraping, parsing, and analysis with HPC infrastructure• Corporate Agreements: Extraction of pricing + covenants from EDGAR filings.<ul style="list-style-type: none">– Built pipeline for extraction of credit agreement pricing : anchoring raw exhibits, classifying key sections, and outputting structured JSON for downstream use. — Statistical programmer for various applied economics research papers <ul style="list-style-type: none">• Estimated the causal effect of remote-work adoption using DiD/DDD and event-study models ; also applied IV and heterogeneity analysis• Built PySpark pipeline on HPC to compute demographic move rates from Infutor household data, processing 1.5B rows into analysis-ready tables. — Created coding agent pipeline to automate RA tasks on top of Codex SDK ; saving countless hours as data wrangling and exploratory analysis could now be done overnight. | New York, NY Sept 2024 – Present |
| SKILLS | GovGPT — Building an MCP that enables anyone to query USAspending API in plain English ; powered by an agent that reads API documentation and learns endpoints. EDGAR-AI — Building autonomous pipeline of LLM personas to discover optimal schemas to turn dense legal filings into structured, tabular data. Programming Languages – Python, Java, Stata, C, R Libraries & Frameworks – Pandas, NumPy, Scikit-Learn, PySpark | |