Lauren Winstead

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TOOLS (See appendix for full Technical Skills List)

• Consulting: 3.5 years	• Python: 5.5 years	• SQL: 3.5 years	• R: 3 years
• Java: 5.5 years	• Apache Spark & Hadoop	• Keras & Tensorflow	• Cloud Solutions

PROFESSIONAL EXPERIENCE

Data Science Consultant II   **Washington, DC**

Guidehouse   **Year(s) of Employment (03/2023-03/2024)**

VA OIT/T4NG PMO   *03/2024-04/2024*

- Supported business development work for the Department of Veterans Affairs OIT to perform market research, value propositions, and pricing analysis

VFMP Claims Analytics Project (VA, IVC-VFMP)   *11/2023-03/3024*

- Led tracking efforts in issue management, quality assurance, and architecture assessments for CHAMPVA claims processing and facilitated efforts across various stakeholders (i.e., OIT, Policy, and VHA), VA systems (i.e., Claims Processing and Eligibility, PayerEDI and ClaimsXM), as well as third-party administrators such as Optum and Triwest
- Provided technical expertise to support VFMP's short and long-term modernization efforts
- Tracked CP&E and ClaimsXM accumulator testing for various data files and drafted a testing scenario plan for upstream and downstream to ensure data accuracy
- Supported PMO activities by providing updates for regular accumulator issues briefs/ reporting as well as developed templates for Tiger Team weekly leadership activities
- Facilitated business requirements development and backlog prioritization and coordinated policy efforts with VFMP stakeholders
- Facilitated migration to the new claims processing system through sunsetting and API configuration activities for historical claims data for the legacy claims system by aligning business priorities and backlogs
- Developed proof-of-concept and alternatives of analysis deliverables to support client needs

VA Palantir Common Operating Platform Governance (VA, OEI and DGA)   *03/2023-11/20/23*

- Led Palantir Common Operating Platform Governance Workstream, improving platform metadata and semantics for over 200 object types and thousands of properties by 40% and developing and evaluation method for metadata improvement in the first quarter
- Developed real-time analytics dashboards across various governance work streams including data connections, documentation, and ownership by developing PySpark scripts across data pipelines
- Utilized various applications such as Workshop, Data Lineage, Health Checks, and Contour to develop analytic insights and monitor VA Platform Governance work streams
- Engaged with various stakeholders including Acquisitions, Supply Chain, Pact Act, Business Information Model (VA BIM), Enterprise Information Model (VA EIM), IVC Caregivers, and Population Analytics to improve metadata on the platform
- Developed best practices for developing health checks and expectations to monitor data pipelines for VA data objects
- Performed assessments on Geography and Facility Objects to support executive officials in geospatial contextualization of the EIM on Palantir
- Served as a technical support to onboard business data stewards for data cataloging efforts on Collibra to ensure enterprise modernization and stewardship for VA Data Governance and Analytics
- Developed the VA Enterprise Information Model (a conceptual data model) and additionally developed the EIM Operationalization Plan which includes development of Key Analytic Question (KAQ) Implementation to support technical data stewards
- Led scrum meetings utilizing Jira to develop and perform tasks on Palantir

Associate Technologist, Data Scientist   **Washington, DC**

Customer Value Partners, Inc.   **Year(s) of Employment (06/2021-03/2023)**

National AI Institute and VAIRRS Data Solutions (VACO,ORD)   *12/2022-03/2023*

- Aided in the design of AI challenges, reviewed code submissions, collaborated with researchers and field experts, and managed tech sprints
- Provided policy support and reviewed product line and outcomes with clients, teams, and stakeholders

- Supported AI research publications

AI Bias Measure and Mitigate Tool: Third Place(CVP, IR&D- NIH) – [NIH Challenge](#)   **11/2022 –03/2023**
- Developed a Diabetes Proof-of-Concept Model incorporating LightGBM and Dask to be utilized for the AI Bias Tool
- Developed the Measurement and Mitigate Disparity files utilizing a dynamic programming approach that produces innovative solution to generate pdf documents to communicate measure and mitigate findings to improve physician trust in and collaboration with AI models
- Finalized the AI Bias Report outlining the tool's development, capabilities, requirements, and limitations. This report includes files' risks, mitigations, system configuration, and innovative evolution to handle generalizability and latency.

AI Explorer Pilot: Automating Detection of Software Bugs (CMS, WQC)   **09/2022 –11/2022**
- Automated bug tickets utilizing Transformers RoBERTa and achieved 85% accuracy across four repositories
- Configured AWS Cloud Environment for model data and built the GitHub repository
- Designed MLOps initiative for future WQC developments

Measurement and Evaluation Team (VACO, CCPI)   **11/2021-09/2022**
- Developed a systematic testing, evaluation, and analytics program to rapidly test [innovation pilots for the VHA](#), enabling the implementation of the VETSmile pilot program in fourteen states and pending launch of eight other pilots; demonstrated machine learning models in the analytics environment to showcase opportunities
- Designed the prototype to enable an integrated data, security, and monitoring strategy via a data analytics platform that promotes data orchestration in the VA Enterprise Cloud; coordinated with data stewards to collection technical documentation to streamline across the value chain
- Executed Ad-Hoc Data requests utilizing SQL and python and developed PowerBI Dashboards to support pilot lifecycle initiatives

Post Tracking System (Federal Protective Services, DHS)   **07/2021-10/2021**
- Created synthetic data to address agency's security and privacy concerns and built data wrangling pipelines for five source systems for the Post Tracking System to enable staffing security personnel for federal buildings

Research, Data Scientist (CMS Medicare)   **06/2021-08/2021**
- Utilized statistical analysis, predictive modeling, and data visualization to surface trends in unplanned hospital readmission rates for Medicare beneficiaries in relation to socioeconomic factors showing beneficiaries who reside in the top 20% of social deprivation index scores were 1.23 times that of those with lower SDI
- Contributed to a peer-reviewed paper that will soon be published by multiple peer-reviewed journals: "Association between Social Deprivation, Race/Ethnicity, and Unplanned 30-Day Readmissions for Medicare Beneficiaries", 2023

Data Scientist   Williamsburg, VA
Riverside Pharmacy, M.S. Analytics Capstone Project   Period of Employment 04/2021-05/2021
- Utilized regex matching function in python to extract and structure data from pdf files for transformation in Alteryx to provision drug code mapping and classification in the dataset, built a Tableau dashboard to provision data visibility in outsourcing benefits based on the average verification times, seasonality, and drug classifications.
- Improved staff scheduling while reducing employee utilization by three employees by utilizing a queuing model and simulating the true mean of populations through a Monte Carlo model
- Predicted verification time ranges and identified most influential features through machine learning models, achieving 85-91% accuracy (depending on the verification time range for each model).

Morgan Stanley   Memphis, TN
Financial Advisor Intern, Mark L. Alexander, Senior Vice President   2018-2019
- Communicated with clients, identifying and implementing updated client requirements to increase client service efficiency to 95%; designed storyboards and content for client presentations; Analyzed client information for FINRA Know Your Customer Rule
- Evaluated business metrics with CRM (Client Relationship Management) software, identifying communication gaps and customer information details; suggested marketing strategies for 45% higher engagement
- Utilized security and portfolio analysis to manage large client portfolios, consecutively and consistently beating alpha
- Set up calendar meetings between Mr. Alexander and clients and facilitated regular meetings

Financiers Club and Tennessee Valley Association Fund   <u>Oxford, MS</u>

Leader of Healthcare, Information Technology, and Energy Sectors   **2017-2020**

- Served as lead equity analyst for multiple sectors utilizing a top-down approach, with a focus on emerging markets, to analyze equities and present analytic findings through this segmented methodology for each sector on a weekly basis
- Worked with teams to develop weekly presentations, incorporating financial analyses, building DCF's and harnessing equity multiples, to present both qualitative and quantitative solutions for the provisionment of dynamic team collaboration and concurrence in postulating expert decision-making in the buying and selling of corresponding sector equities.
- Prepared quarterly portfolio performance reports, suggesting portfolio reconstruction strategies for reducing risk; recommended hedge strategies across portfolio sectors which yield alpha as an achievement against the average rate of return over market, enabling our fund to win second in the SEC.

EDUCATION

College of William & Mary, Raymond A. School of Business   **Williamsburg, Virginia**
Master of Science in Business Analytics , *GPA 3.8*   Class of 2021
University of Mississippi, School of Business   **Oxford, Mississippi**
Bachelor of Business Administration, Finance and Banking, Minor in Computer Science   Class of 2020

PUBLICATIONS

Winstead L., (2024) "Contributor: Association Between Social Deprivation, Race/Ethnicity, and Unplanned 30-Day Hospital Readmissions for Medicare Beneficiaries", American Journal of Managed Care, <u>Contributor: Association Between Social Deprivation, Race/Ethnicity, and Unplanned 30-Day Hospital Readmissions for Medicare Beneficiaries (ajmc.com)</u>

CERTIFICATIONS

ISSA Certified Personal Trainer
CPR Certified

APPENDIX

Technical Skills

Languages/ Certificates	Databases	Applications/Tools	Methods/ Frameworks	Systems/ Platforms
Python (5.5 years)	MySQL-SQLite, SQLite3	Jupyter Notebook, Anaconda, PyTorch, PySpark, Scikit Learn, SciPy, Databricks, Transformers, Keras, Spark, Tensorflow, Gurobi, MapReduce, Dask, Git, Databricks others	Scientific Method, AI/MLOps Maturity Models	VA Palantir Common Operating Platform
R (3.5 years)		PowerBI, Tableau	EDA, Data Analysis	
Java (5.5 Years), HTML (4 years)		MongoDB, Node.js, Jenkins, GitHub, GitLab, Confluence, Jira	DevOps Maturity Frameworks, Agile software development and scrum	
SQL (2.5 Years)	Microsoft SQL Server, Amazon Athena, Azure Cosmos	Kubernetes	Data Governance Framework (DAMA-DMBOK), HIPAA Standards,	Power Automate Platform

			Ontologies, and Medical Code Sets, and Transactions Standards	
Cloud-based Solutions Architecture (3 years)		Azure DevOps Services, Azure Pipelines, AWS Data Pipelines, Kubernetes, Kafka/ Azure Service Bus, Azure Purview,, others	Microsoft Cloud, Adoption Framework, ISO 27001-27002, NIST Cybersecurity Framework etc., Microservices, Batch Management	AWS, Microsoft Azure Cloud Services
Microsoft Office 365 Applications cont.- Advanced		Excel, Power Applications, Word, SharePoint	Project Management Principles (PMBOK): value-based delivery methods	
Matlab- 3 years				
Q#- 1 year				