

(412) 636-3647
Silver Spring, MD
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Christopher Lindeman

Data Scientist

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INTRODUCTION

Not only a trained data scientist, but someone who has a deep understanding of the data engineering that provides the data to be used, as well as where these results fit into the bigger picture; be it in executive decision-making, stakeholder reporting, or downstream application processes.

SKILLS

Tools and Languages	Python (Numpy, Pandas, Scipy, Sci-kit Learn, PyTorch), JavaScript, Azure, Dash, Git, SQL
Methodologies	Process Optimization, A/B testing, Bayesian inference, Clustering, Regression, NLP, Deep Learning

TECHNICAL EXPERIENCE

AgriTech AI Innovation Strategist

Africa Vertical

Feb 2024 —

Washington, DC

- Designed IoT systems to measure farm processes in areas without reliable water, power or connectivity
- Crafted documentation to allow installation of these systems by untrained farmhands
- Developed sensor systems such as:
 - LoRa transceivers for data transfer
 - Solar-powered high-efficiency processing SBCs
 - Software to automatically alert users about data backup needs and push data to external drives for backup
 - Creation of analytical dashboards to help drive decisions regarding resource usage

Data Scientist

Peregrine Advisors

Mar 2023 —

Potomac, MD

- Managed multiple projects of varying priority for multiple stakeholders
- Developed tools to improve the efficiency of routine processes such as:
 - Probabilistic semantic search for gap analysis using BERT - estimated to have saved 600 hours of manual comparison.
 - Developing pipelines replicating and refactoring SQL stored procedures to facilitate on-premises databases to an Azure cloud environment.
 - Dynamic web interface to ingest user data then to predict suitability for roles using and provide reports to recruiting and HR departments.

Graduate Teaching Assistant - Intro to Analytics Modeling

Georgia Institute of Technology

Jan 2023 — Aug 2023

Atlanta, GA

- Present and demonstrate various techniques for data analysis
- Assist students in understanding the theory and application of the following methodologies:
Support Vector Machines, K-Nearest Neighbors, Model Validation, KMeans, Data Preparation, CUSUM, Time Series, Regression, Decision Tress, Random Forests, PCA, Time Series, Design of Experiments, Missing Data Imputation, nonparametrics, Bayesian models, neural networks.

Data Analyst II / Product Allocation

Philips Respironics

Aug 2022 — Mar 2023

Pittsburgh, PA

- Improved systemic efficiency by introducing multi-thread processing outside of legacy systems to reduce wait time to analyst review for tens of thousands of records from hours to seconds, leading to same-day solutions for mission-critical problems.
- Improved existing methods for validating user-generated-data with creative application of regex filtering to reduce the need for manual inspection of 80% deviant data fields.
- Developed processes for automating data transfers between business units to speed up information sharing and processing of routine events leading to significant efficiency increases.

Statistical Consultant / Teacher Prejudice and Disposition

Mary Bennedeti, EdD. - University of Cincinnati

Apr 2020 — Aug 2020

remote

- Performed all statistical analysis to gain insight into the disposition of teachers from data performed by survey on subjects' prior knowledge of and experience with Roma people.
- Performed preliminary EDA to understand data shapes and determine relevant factors.
- Applied non-linear tools to drive insights and redesign the survey for future use.

Data Science Specialist / Delivery Route Optimization

PMD Enterprises

Jan 2020 — Mar 2020

Pittsburgh, PA

- Developed distribution routes from raw addresses to meet time and mileage restrictions, while maximizing driver and customer satisfaction that resulted in over \$80,000 in annual saving for this small business.
- Results are still used, with over 60% improvement in time saved compared with current industry routing software (RouteSmart).

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EDUCATION

Master of Science in Analytics , <i>Georgia Institute of Technology</i>	2021 — 2024
Master of Business Administration , <i>West Texas A&M University</i>	2017 — 2020
Bachelor of Science in Natural Sciences , <i>University of Pittsburgh</i>	2013 — 2016

CERTIFICATION, PUBLICATION, HONOR

IBM AI Developer Professional		Jun 2024
Microsoft Certified: Azure Data Fundamentals		Oct 2023
Microsoft Certified: Azure Fundamentals		Mar 2023
Book - Missing Data Methods		Aug 2022
MSI - Project Management Essentials Certified	2021 Lean Six Sigma Green Belt	May 2021
Invited Presenter, Mathematical Association of America		Aug 2015