ROBERT LUMPKIN

LEAD DATA SCIENTIST

Columbus, OH | robertlumpkin.pro@gmail.com | github.com/BobbyLumpkin/ | bobbylumpkin.com

SUMMARY

Technically minded data scientist with end-to-end ownership experience — from scoping, solution design & development to MLOps and production deployment. Passionate about building impactful, scalable, and **innovative AI systems to solve real problems.**

PROFESSIONAL EXPERIENCE

Lead Data Scientist - AI Center of Excellence, Huntington National Bank **Aug 2024 - Present**

Work on cross-functional teams to deliver innovative AI solutions.

- **Automated image redaction:** developed a system to run at scale, in a production cloud environment, analyzing hundreds of millions of documents for redaction opportunities and saving millions of dollars.
- **Natural Language Processing:** Developed the company's first productionized & internally built semantic search application, RAG systems, content-specific finetuned sentiment analysis, Text-to-SQL, automated summarization pipelines.
- I**mage Classification:** Approaches included traditional ML & feature engineering, finetuned vision transformers and experimentation with multimodal foundation models.
- **Traditional Statistics:** Causal inference and correlational analyses to inform and drive executive-level strategy.
- **Public Speaking:** Communicated with both technical and non-technical audiences through internal public speaking engagements, producing and delivering training sessions, giving talks at internal conferences and presenting at knowledge sharing meetings.
- **First-place prize winner:** Huntington Hackathon Competition 2024

Lead Data Scientist, Huntington National Bank **Oct 2023 - Aug 2024**

Led execution and delivery of advanced analytics & AI in order to drive and support commercial bank strategy.

- **Led Team of Data Scientists:** led team to manage the operations, roadmap and implementations of new features for an internal product recommendation suite.
- **Developed MLOps Practices:** Worked with IT partners to architect, develop and document practices around model validation, detecting model and data drift, and continuous integration & deployment.
- **Regularly & Frequently Interfaced with Business & Product Leaders:** Stayed current with business & product challenges as well as communicating team capabilities in order to identify opportunities for high-value collaboration.
- **First-Place Prize Winner:** Huntington Hackathon Competition 2023

Senior Data Scientist, Huntington National Bank **May 2021 - Oct 2023**

Developed and managed advanced analytics solutions for the commercial segment of the bank.

- **Rebuilt vendor product recommendation suite in-house (~$1M savings):** Included a suite of 38 products, requiring extensive effort in locating, cleaning, and preprocessing data, feature engineering, traditional machine learning & statistical analysis and frequent & ongoing communication with business and product leaders.
- **Helped Lead Transition to Cloud Environments:** Hosted regular training sessions and developed & maintained software packages, code examples and documentation.
- **Developed and Maintained Software Packages & CI/CD Pipelines:** Created data scientist-facing packages in both Python & R in addition to developing CI/CD practices for the organization. Package examples: fast fuzzy string matching in Python and causal inference & modeling using synthetic control methods in R.

EDUCATION

Bachelors of Science, Mathematics **2012 - 2016**

- Graduated from PMASS (pre-Mathematics Advanced Study Semester) Program
- Graduated from MASS program with honors
- 2015 Leonard Euler Memorial Scholarship recipient
- Achievement Award/Scholarship recipient

Master of Science (MS), Mathematics **2016 - 2019**

- Specialization in stochastic disease modeling.
- Final project: “Modeling outbreak data: Analysis of a 2012 Ebola virus disease epidemic in DRC”

Master of Mathematical Sciences (MMS), Mathematics **2016 - 2019**

- Specialization in mathematical neuroscience.
- Thesis project: "Parameter Classification and Analysis of Neuronal Systems with Astrocytic Modulation of Behaviour"

Master of Applied Statistics (MAS), Statistics **2019 - 2021**

- Coursework: causal inference & test design, statistical learning, bayesian statistics, non-parametric statistics, probability theory, discrete data analysis, computational statistics

SKILLS

Python	Traditional Machine Learning	AWS
R	NLP	git, Github & ADO
SQL	Computer Vision	MLflow
bash & powershell	MLOps	Public Speaking & Communication
C++	Statistical Analysis	Continuous Learning