

ALEXANDER TALBOTT

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SUMMARY

Alexander is a highly motivated data scientist with experience working with Databricks, Python, Scala, Spark and various other data science tools. His interests lie in the operationalizing of AI and machine learning to enterprise-scale in a secure, scalable, and efficient manner. He has experience working with teams to build end-to-end machine learning and artificial intelligence solutions and is an effective communicator with his clients.

EXPERIENCE

Data Science Consultant

Jun. 2022 – Present

Deloitte – *Washington, DC*

- Designed and implemented data pipelines using Databricks to ingest, process, and transform data from various sources.
- Developed and maintained ETL workflows using Spark to clean and prepare data for analysis.
- Built machine learning models that enhanced data-driven decision-making.
- Monitored and optimized the performance of data pipelines to ensure data accuracy, completeness, and reliability.
- Conducted exploratory data analysis on large datasets using Python, PySpark, and SQL.
- Presented findings and recommendations to stakeholders and management.

AI/Policy Research Fellow

Sep. 2020 – Sep. 2021

AI for Good Foundation

- Designed a Diversity, Equity, and Inclusion scorecard application in Python. Process included statistical design, data manipulation, programming, documentation writing, and presentation to external stakeholders.
- Consulted with international city governments to research and write smart city policy recommendations in concordance with the United Nations Sustainable Development Goals.

Peace Corps Volunteer

Feb. 2018 – Mar. 2020

Peace Corps – *Costa Rica*

- Collaborated with local community leaders to design and implement sustainable community economic development projects.
- Conducted a needs assessment and developed project plans to address community needs.
- Utilized cross-cultural communication skills to build trust and establish relationships with community members.
- Facilitated over 200 community trainings on computer fluency, career readiness, and the English language to build local capacity.
- Managed project budgets and resources to ensure project success.

SKILLS

- | | | |
|-------------------------------|--------------------------|-----------------------------|
| • Databricks | • Database System Design | • Apache Spark/PySpark |
| • Machine Learning | • Python | • Amazon Web Services (AWS) |
| • Natural Language Processing | • Scala | • Git |
| • Relational Databases | • SQL | • Linux |

CERTIFICATIONS

AWS Cloud Practitioner

EDUCATION

Master of Science, Public Policy & Management, Data Analytics Track

May 2022

Carnegie Mellon University, Pittsburgh, PA

Graduated with honors

Bachelor of Science, Information Systems

Dec. 2017

California Polytechnic State University, San Luis Obispo, CA

Minor: Computer Science