

# TREVOR DALTON

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## EDUCATION

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**University of California, Berkeley** May 2024

*Master of Information and Data Science; GPA: 3.97*

**University of Utah** May 2021

*B.S. Computer Science; GPA: 3.93*

*Cum Laude; Dean's List: 6 Semesters*

**Skills:** Data Science | NLP | Generative AI | Machine Learning | Data Engineering | Data Analytics |

**Technologies:** PyTorch | TensorFlow | Scikit-learn | Databricks | Snowflake | Airflow | AWS |

**Languages:** **Python** (preferred) | **R** | **SQL** | PySpark |

## WORK EXPERIENCE

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**Data Engineer** | *M Science - Video Games Analytics* March 2022 - Present

- Modeled and deployed a **deep learning** solution using **PyTorch** to automate labeling of data, resulting in a significant reduction in manual tagging efforts and improved accuracy in data labeling
- Construct **PySpark/SQL** ETL pipelines for full raw-to-deliverable processing of large-scale data
- Optimize **AWS EC2** configurations to cut pipeline costs and runtime by as much as 60%
- Developed DataOps-controlled pipeline orchestration systems, reducing runtimes by over 20%
- Design and implement ETL automated test suites to guarantee accuracy of client deliverables

**Software Engineer** | *Northrop Grumman - Advanced Data Analytics* May 2021 - March 2022

- Engineered a ~10TB **JavaScript** multi-source ETL pipeline to connect, aggregate & analyze data
- Designed frontend interface for a master data pipeline to derive insights from enterprise data
- Developed an ontology-driven ETL orchestration tool used by 50+ developers using **React**
- Built scalable desktop applications using **React**, **Node.js**, **TypeScript**, and **Electron**

**Software Engineer Intern** | *Northrop Grumman - Advanced Data Analytics* May 2020 - May 2021

- Developed cutting-edge machine learning and graph database models for supply chain & maintenance forecasting applications to mitigate risk and reduce lifetime costs of advanced weapons systems

## PROJECTS

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### **Datadrip: AI-Driven Financial Analysis Tool**

- Led development of an AI-powered tool using **Generative AI** and **Computer Vision**, automating the extraction and summarization of financial reports enhancing accessibility for investors and analysts
- Demonstrated exceptional project management skills by coordinating cross-functional team efforts and successfully meeting project milestones and presentation deliveries within tight deadlines

### **Candoo AI Support Assistant**

- Collaborated to develop a GPT-3.5-based AI tool, optimizing tech support operations by automating call summarization and follow-up instructions, resulting in 5-minute time-savings per ticket
- Leveraged expertise in Generative AI to not only develop but also iterate on AI models in response to real user feedback, ensuring the solution met both client and end-user needs effectively

## CERTIFICATIONS

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**AWS Certified Cloud Practitioner** 2022

**Neo4j Certified Professional** 2021

*References available upon request*