

# TREVOR DALTON

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## 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
- Data 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**
- Data 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

## 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*

## 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** *2022-2028*
- Neo4j Certified Professional** *2021*

## SKILLS

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**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 |