

# TREVOR DALTON

Salt Lake City, UT 84010 ◊ (435) 256-1469 ◊ [trevorjd3141@gmail.com](mailto:trevorjd3141@gmail.com)  
[trevorjaldon.com](http://trevorjaldon.com) ◊ [github.com/trevorjd3141](https://github.com/trevorjd3141) ◊ [linkedin.com/in/trevor-dalton](https://linkedin.com/in/trevor-dalton)

## EDUCATION

---

**University of California, Berkeley**

May 2024

*Master of Data Science; GPA: 4.00*

**University of Utah**

May 2021

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

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

**Skills:** Data Engineering | Data Analytics | Cloud Computing | Databases | Statistics | Agile Development

**Technologies:** Databricks | Snowflake | AWS | Jupyter | MySQL | Git | Excel | Neo4j | VS Code

**Languages:** **Python** (preferred) | **PySpark** | **SQL** | JavaScript | TypeScript | R | C# | C++

## WORK EXPERIENCE

---

**Data Engineer** | *M Science*

March 2022 - November 2022

- 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 ~1PB **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 & graph database models for supply chain & maintenance forecasting applications to mitigate risk & reduce lifetime costs of advanced weapons systems
- Delivered valuable insights on large datasets using statistical analysis and **Matplotlib** visualizations

## PROJECTS

---

**Bank Document Verifier**

- Developed a collaborative workspace for financial institutions to process loan applications and verify corresponding documents. Resulting in significant time/cost savings across verification teams
- Created a parser to extract information from documents using **Regex** and Levenshtein Distances
- Designed 45 Restful API routes to communicate with MongoDB and store data in **AWS S3**
- Implemented 53 unit tests using a **Jest** framework and integrated it into a CI/CD pipeline

**Aye-Aye: Semantic Lexicon Induction**

- Performed advanced text analysis and NLP techniques with **SpaCy** and **Pandas**
- Crafted an ETL Pipeline to clean and process large-scale corpuses using **Python** and **Regex**
- Presented findings to peers alongside visualizations showing the effectiveness of the analysis

## CERTIFICATIONS

---

**AWS Certified Cloud Practitioner**

2022

**Neo4j Certified Professional**

2021

*References available upon request*