

Data Engineer

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Skills

- Python
- Spark
- SQL
- Functional programming
- ETL
- Databricks
- Kafka
- Knowledge graph
- Ontology
- SPARQL
- OWL

Lead Data Engineer

Chubb | NY | 2018 - Present

- Leading team to create insurance industry's first knowledge graph
- Create several ETL pipelines for unstructured data in NA, EMEA, APAC, and LATAM
 - Batch and streaming
 - Involved on-premise and cloud infrastructure
 - Written in a functional programming style to minimize production issues
- Extracted entities from unstructured data using NLP and ML
 - Saved Chubb over \$1 million
 - Random forest classifier
- Identified the top prospective customers that Chubb should focus on using Spark ML
 - Used PCA and k-means clustering in Databricks
- Parallelized Chubb's custom text encryption algorithm in Spark
 - Reduced the benchmark's runtime from 2 weeks to 20 minutes

Captain

United States Marine Corps | HI | 2013 - 2017

- Served as an unmanned aircraft commander
- Planned, coordinated, and led over 200 flight hours
- Replaced a team of statisticians, saving the USMC \$500,000
- Overseas deployment to the Philippines. Responsible for communications, logistics, medical support, the security of over 50 Marines, and \$15 million worth of equipment, while leading aerial reconnaissance missions.

Aerospace Engineer

Delta Air Lines | GA | 2012 - 2013

- Responsible for resolving complex engineering problems related to an aircraft's interior cabin

Education

- Data Science Immersive | General Assembly NYC | 2018
- M.S. Aerospace Engineering | University of Illinois Champaign-Urbana | 2012
- B.S. Aerospace Engineering | Illinois Institute of Technology | 2011

Resume written in markdown and then converted to pdf with pandoc