

# Data Engineer

Brendan Lane  
(708) 623-4348  
brendan.lane07@gmail.com  
10 Provost St, Unit 1207, Jersey City, NJ 07302

## Skills

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

## Experience

### Lead Data Engineer

Chubb, 2018 - Present

- Leading a team to create the insurance industry's first knowledge graph
- Create several ETL unstructured data pipeline
  - Batch and streaming
  - On-premise and cloud infrastructure
  - NA, EMEA, APAC, and LATAM regions
  - Reduced production issues with functional programming
- Extracted entities from unstructured data using NLP and ML
  - Random forest classifier
  - Saved Chubb over \$1 million
- Identified top prospective customers
  - PCA and k-means clustering
- Parallelized Chubb's custom text encryption algorithm
  - Improved runtime from 50,000 to 20 minutes

### Captain

United States Marine Corps, 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, 2012 - 2013

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

## Education

Degree	School	Graduation Year
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 using pandoc*