

# Bryan Eaton

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## EDUCATION

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- **Stephen F. Austin State University** Nacogdoches, TX  
*Bachelor of Science in Environmental Science* Dec. 2002

## EXPERIENCE

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- **Oak Ridge National Laboratory** Oak Ridge, TN  
*Data Engineer* Oct 2018 - Present
  - **ActiveMQ:** Apache ActiveMQ is an open source message broker primarily used for sending messages between applications. Worked on writing message clients for an application centered around JMS messaging.
  - **PostgreSQL:** PostgreSQL is an advanced open source database with a strong reputation for proven reliability and a proven architecture. I utilize the excellent JSON features as well as PostGIS for storing geographic features and message data from the JMS.
- **Covenant Transport** Chattanooga, TN  
*SAP Developer* Jan 2014 - April 2018
  - **SAP Design Studio:** Designed focused universes and interactive BI dashboards using SAP Information Design Tool and Design Studio.
  - **Apache Airflow:** Used Airflow to extract data from Excel docs with the help of Python Pandas and to integrate this data with parallel Data Services jobs
  - **Data Warehousing:** Setup, schema design and management of Data Marts with SQL Server. SAP Data Services integration for daily ETL injection into SQL Server.
  - **Python Flask:** Wrote Restful API's using Python's Flask framework detailing ETL job metrics. Airflow eventually succeeded this effort.
- **City of Chattanooga** Chattanooga, TN  
*Programmer* 2013
  - **Java:** Re-wrote existing VB6 programs into more maintainable Java code, switched code repo from Visual Source Safe to a Git repository.
- **Freese and Nichols** Fort Worth, TX  
*GIS Developer* Jan 2005 - April 2013
  - **Research Assistant - Machine Learning:** Research on machine learning for portfolio hedging and replication algorithms. Modeling low-risk & continuous-return strategies. Developed the python library QSTK.
  - **ESRI ArcGIS:** Provided GIS enterprise database (SDE) development and analysis including thematic map creation, data conversion, image rectification and temporal/3D animation.
  - **Python ArcPy and ArcObjects:** Developed ArcGIS toolboxes, python scripts, ArcObjects tools, and ESRI geoprocessing models for common GIS and SDE workflows.

## PROGRAMMING SKILLS

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- **Languages:** Python, Java, Javascript, C#, SQL    **Technologies:** ActiveMQ, Flask, Airflow, Vagrant, Docker