

Bryan Eaton

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EDUCATION

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

EXPERIENCE

- **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.
 - **Apache Beam:** 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 status, abandoned most of this once i discovered Airflow.
- **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

- **Languages:** Python, Java, Javascript, C#, SQL
- **Technologies:** ActiveMQ, Flask, AWS