

CHRIS FU

Data Engineer

@ chris.r.fu@gmail.com

[chrisrfu](#)

[chrisrfu](#)

[chrisrfu.github.io](#)

Dallas, TX



EXPERIENCE

Data Engineer

American Airlines

Jan 2020 – Ongoing

Fort Worth, TX

- Develop an object-oriented Python script to monitor failures in pipeline
- Work with Data Scientist to improve current PySpark jobs
- Re-design and develop ingestion pipelines from on-prem to cloud
- Developed a PySpark script to ingest AVRO files and flatten JSON records

Data Engineer

Bell Textron

Jan 2019 – Jan 2020

Fort Worth, TX

- Generated SQL data tables to track customer component data
- Developed a component forecast to estimate next helicopter service
- Worked with analysts to ingest data, transform, and output to tables that Data Scientists use to build reports from

Data Analyst Intern

InterContinental Hotels Group

Jun 2018 – Aug 2018

Atlanta, GA

- Transformed client account data to provide behavioral analysis
- Provided insight on the current revenue landscape and the opportunity to capture an extra 20% revenue of the North American region
- Built a Python script using Google Maps API to pull in geographical data

Data Analyst Co-op

Delta Air Lines

Aug 2016 – Aug 2017

Atlanta, GA

- Produced monthly and ad-hoc operational performance analyses
- Maintained existing ETL processes using SQL/SAS

Data Analyst Co-op

Kimberly-Clark Corporation

Jan 2016 – July 2016

Neenah, WI

- Created Tableau reports to track high velocity SKUs for all distribution

PROJECTS

Comparing Grocery Prices

- Building Python program to compare prices across different grocers
- Using Selenium and BeautifulSoup packages to web-scrape and clean
- Designing the script through OOP best practices

EDUCATION

B.S. in Industrial & Sys Engineering

Georgia Institute of Technology

May 2015 – Dec 2018

CERTIFICATES

Analytics: Essential Tools & Methods

edX

LANGUAGES

Python

R

SQL

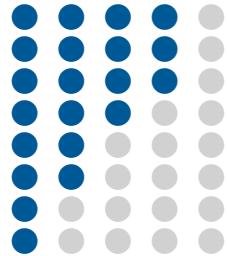
LaTeX

Java

HTML & CSS

JavaScript

D3.js



DATA ENGINEERING

Spark

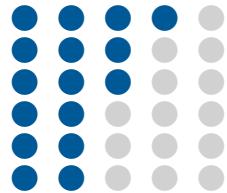
Data Warehousing

Serverless Design

Airflow

Docker

Hadoop



PROGRAMS & TOOLS

Github

Agile

Jupyter

S3 Browser

Tableau

OpenRefine

Rally

Teradata

SAS

Photoshop

Microsoft Office Suite

Azure Databricks

IBM Cloud

AWS

DATA ENG. CONCEPTS

Pipelines

Modeling

Partitioning

Backfilling

Monitoring

Fact Tables

Dimension Tables

YARN

HDFS

Extract

Transform

Load

DAG