Christopher Raymond Fu

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EDUCATION

Bachelor of Science, Industrial & Systems Engineering
Georgia Institute of Technology | Atlanta, GA   December 2018
Concentration: Quality & Statistics

SKILLS

Language Skills: English, Mandarin Chinese, Korean
Computer Skills: Python, R, SQL, Databricks, Docker, Kubernetes, Teradata, LaTeX, Tableau
Basic Data Analytics Skills: Spark, Azure, SQLite, OpenRefine, D3, Cloudera, Hadoop, Pig, AWS

EXPERIENCE

Developer/Data Engineer   January 2020 - Present
American Airlines | IT RPT Data Analytics | Fort Worth, TX
- Develop a object-oriented python script to automate incident generations
- Integrate Moogsoft AIOps to current monitoring system
- Re-design and develop ingestion pipelines from on-prem to IBM Cloud
- Develop script to ingest AVRO files and flatten JSON records to a readable format

Business Analyst   January 2019 - January 2020
Bell Textron Inc. | Commercial Business Operations | Fort Worth, TX
- Generated SQL data tables to track customer component data
- Developed a component forecast to estimate next helicopter service
- Developed a python script to transcribe PDF component reports to data tables
- Performed ad-hoc analyses and present results using R

Strategic Insights & Analytics Intern   June 2018 - August 2018
InterContinental Hotels Group | Global Sales | Atlanta, GA
- Utilized Python on client account data worth over 2GB 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 by city-state pair

Schedule Analyst Co-op   August 2016 - August 2017
Delta Air Lines | Airport Customer Service - Operations Analysis & Performance | Atlanta, GA
- Conducted monthly schedule review based on first proposed schedule; held call with station leadership to provide insight to upcoming schedules; includes Delta Connection information
- Worked with Network to ensure ground time distribution maximizes D0 benefit; monitored Short Turn Density levels through operations MPR slide and follow ups
- Worked with stations/network on ground time requests, D0/A0 performance analyses, misconnect rate improvement, etc.

Distribution Operations Analyst Co-op   January 2016 - July 2016
Kimberly-Clark Corporation | Distribution Operations | Neenah, WI
- Analyzed warehouse performance metrics to ensure customer service and cost objectives are met
- Managed dynamic space and throughput capacity requirements shipments, order statuses, and operational materials
- Created a stock keeping unit (SKU) count report for senior leadership to track monthly trends across the distribution network

CAMPUS INVOLVEMENT

Aviation Undergraduate Research   August 2015 - December 2015

- Worked in cooperation with Aerospace Professor, Dr. John-Paul Clarke
- Utilized Python programming to sort and analyze 'big' data
- Investigated the underlying causes of late departure times given the time history of boarding pass scans

EXTRA-CURRICULAR ACTIVITIES

Life & Fruit Community Church   January 2019 - Present
- Serve as youth teacher grades 6 - 8
- Build meaningful and lasting relationships with students aged 12 - 18
- Create an environment where students feel comfortable and open to discuss biblical topics