

Vivian Duong

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Work Experience

Activision Blizzard – Data Engineer (Contractor)

September '19 – Present

- Create and maintain ETL processes/pipelines for mobile app performance data, gaming data, and marketing data: email, sms, in-game, third-party (Facebook, Twitter, Snapchat, etc.)
- Work with analysts to understand business needs and convert those requirements into technical specifications
- Document and present best practices for our data platform
- Collaborate with Cloud Infrastructure team to migrate workflows from Amazon Web Services (AWS) to Google Cloud Platform (GCP) and ensure optimal configuration of GCP-based platforms
- Design and develop data models in data lakes and RDBMSs
- Develop Python and Scala programs using Object-Oriented and Functional Programming principles
- Other tools used: Airflow (Astronomer), Spark (Databricks), SQL, Redshift, Docker, Kubernetes, Linux, Mac OS, Jenkins, Conda, SBT

Ring - Data Analyst II (Contractor)

July '19 – September '19

- Built Tableau dashboards to create data visualizations and deliver actionable insights
- Wrote SQL against Redshift and pulled data using REST APIs and Python

JLL - Data Analyst (Contractor)

July '18 – April '19

- Performed ETL operations using Python and T-SQL

Wedbush Securities - Tax Reporting Analyst

May – December '17

- Wrote T-SQL in Microsoft SQL Server 2014 Management Studio (SSMS)
- Left for UCLA Data Science Certificate Program completed in April '18

Grifols - Data Analyst (Contractor)

March – April '17

- Created periodic reports analyzing key performance indicators (KPIs) for Human Resources, Finance, and Operations

Substitute Teacher

June '16 – March '17

Education

Bachelor's in Applied Mathematics from Brown University

Class of '16

Skills and Certifications

Portfolio @ <https://vivian-duong.gitlab.io> and <https://github.com/vivian-duong>

Passed Society of Actuaries Exam P/1 Probability

November '14

Programming Languages:

- Scala: SBT, Spark, sbt-assembly, sbt-native-packager, cats, http4s, and more
- Python: numpy, pandas, sklearn, matplotlib, seaborn, scipy, and more
- R: ggplot2, GGally, reshape2, purr, and more

Data Tools:

- SQL: T-SQL, Redshift/PostgreSQL, SparkSQL
- Airflow on Astronomer
- Apache Spark on Databricks

Other Software and Frameworks:

- AWS: EC2, Redshift, S3, ECR
- Bash and Zsh
- GCP: VM, GCS, GKE, BigQuery
- Jenkins
- Docker and Kubernetes
- Jupyter Notebooks
- Git source control
- Conda