DUKE (SUNG HOON) YANG

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Education

NEW YORK UNIVERSITY   NY, UNITED STATES
M.S. in Applied Urban Science & Informatics

UNIVERSITY OF CALIFORNIA, BERKELEY   CA, UNITED STATES
B.A. in Economics   **Graduated in Dec '15**

Employment History

Feb 2016 – Aug 2018

Data Engineer   **COUPANG** Seoul, South Korea

Migrated on-premise Data platform (IBM PureData) to AWS. Spearheaded the DQ project, with automated reporting. Released and administered Redshift clusters.

Built and Owned a Flask application that automates scheduled job generation using Jinja, SqlAlchemy, and Airflow.

Designed TMS domain's mart tables to automate weekly business reports.

Designed and maintained Airflow DAGs & Operators for various source databases, including unsupported MongoDB or Greenhouse API.

Built ETL SLA monitoring tool using node.js with express & D3.js. Serviced email and Slack reports.

May 2015 – Aug 2015

Data Analyst   **IDEASCALE** Berkeley, CA

Administered Google Analytics(GA) by building custom metrics with jQuery to track customer behavior. Designed business reports in GA dashboard.

Jan 2014 – Apr 2014

Data Analyst   **NATIONAL ASSEMBLY, REPUBLIC OF KOREA** Seoul, South Korea

Owned data collection from various sources (PDF invoices, Excel, and API data), and produced analytic reports for MP Min Seok Ahn to be used in public hearings.

Published reports of historical budget spending per category, supporting ad hoc drill-down on user-defined dimensions.

Enabled automatic reporting using VBA.

Jan 2012 – Nov 2013

Tank Driver, Squad Leader   **REPUBLIC OF KOREA ARMY** Ga-Pyeong, South Korea

Operated and maintained a K-21 armored vehicle.

Taught English for 16 months, and counseled suicidal soldiers.

Skills

Technology Skills: Python, SQL, NoSQL, Bash, Javascript, AWS(S3, EC2, EMR, Redshift), HDFS(Hadoop, Spark, Avro, Zeppelin), Unit Testing, Agile Method(git, Jira, Sprint, etc.), Database Administration, MVC App Development (Ruby on Rails, Flask, node.js)
Data Skills: Modeling(Dimension & Fact Design), Quality Assurance, Analysis(BI, ETL, KPI Aggregation, Regression), Visualization(Tableau, PowerBI, D3.js, Sigma.js, matplotlib, etc.)
Hobbies: Logic Pro, Music Composition, SuperCollider