JUSTIN FLANNERY

DATA SCIENCE ENGINEER

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EDUCATION

Bachelor of Arts – Int'l Studies
The University of Colorado
Denver, CO | 2014
Emphasis on Middle Eastern Affairs
Dean's List

SKILLS

- **Python Development**
  - Pandas
  - Numpy
  - DAGs / Finite State Machines
- **Machine Learning**
  - MLFLow
  - Scikit-learn
- **Visualization and Storytelling**
  - Matplotlib
  - Tableau / PowerBI
- **Pipelines , CI/CD, and ETL**
  - Airflow
  - Jenkins
  - APIs (REST / SOAP)
- **Deployment and DevOps**
  - Docker / Kubernetes
  - AWS EC2 / ECS
  - Spark
- **Database Administration**
  - Redshift / PostgreSQL
  - MySQL
  - SQL Server

EXPERIENCE

LIVONGO
DATA SCIENTIST II | DENVER, CO | JUNE 2020 - PRESENT
- Architect and build a production machine learning pipeline (Contextual Multi Armed Bandit) to automate the personalization of emails within SalesForce Marketing Cloud to experiment with and optimize the Livongo member recruitment journey.
- Architect and implement data engineering and machine learning pipelines using technologies such as MLFlow, AWS SageMaker, AirFlow, DataBricks, and Jenkins.
- Own the standardization and development of internal modules and SDKs used by data science to interact with data warehouses, cloud compute and storage, external APIs, and machine learning infrastructure.

BUSINESS INTELLIGENCE DEVELOPER | DENVER, CO | APRIL 2019 - JUNE 2020
- Develop and maintain historical reporting infrastructure across the entire behavioral health product line including external data ETL, production data transformation, client reporting delivery, and product engagement analytics.
- Integrate Behavioral Health product line with greater Livongo systems and stakeholders post-acquisition.

GRANICUS
DATA MIGRATION SPECIALIST | DENVER, CO | SEPTEMBER 2018 - MARCH 2019
- Deployment and configuration of onsite database and application servers for incoming clients. Also serving as database administrator, performing necessary database maintenance and upgrades for product updates.
- Oversaw complex end-to-end migrations and conversion of new customer source data into production application databases for seamless transition of new clients.
- Built internal ETL GUI tools using Python and T-SQL to further automate, standardize, and streamline the process of historical data migrations into the Land and Vitals application database.

FAREHARBOR
SENIOR BUSINESS INTELLIGENCE DEVELOPER | DENVER, CO | JUNE 2018 - AUGUST 2019
- Designed, developed, and automated BI integrations to enhance data modeling for seasonal regressions and reporting across all business systems.
- Led company initiative to develop an in-house ETL solution across all data sources (including MixPanel, Google Analytics, ZenDesk, SalesForce, Close.io CRM, Gainsight, SEMRush, and Stripe payment processing).
- Built and maintained custom API systems integrations with Python, facilitating the transfer and sync of data and events between crucial business software.

DATA OPERATIONS ENGINEER | DENVER, CO | OCTOBER 2017 - JUNE 2018
- Served as database administrator; maintaining data integrity, built custom tables and views to support a team of analysts, and optimizing database performance and scalability.
- Designed, implemented, and maintained Gainsight Customer Success Platform including defining and improving complex customer health scores and workflows from hundreds of metrics and KPIs for over 6,000 active accounts.

REVENUE OPERATIONS ANALYST | DENVER, CO | DECEMBER 2016 - OCTOBER 2017
- Performed analysis across multiple data sources and built reporting dashboards such as customer journey analysis, prospective lead performance analysis, and digital campaign analytics.
- Presented analysis and insights to internal employees, large enterprise customers, and executive management.