

# 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.