

# Brittany Allen Data Enthusiast

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## TECHNICAL SKILLS

**Languages | Frameworks:** Python • SQL • PySpark • Psycopg2 • Pytest • Pandas • Scikit-learn

**Database | Cloud:** AWS S3 • RedShift • EC2 • PostgreSQL • Apache Cassandra • Heroku

**Analytics | Visualization:** Apache Spark • Google Analytics • Excel • Tableau • Matplotlib • Seaborn

**Productivity:** Git • Github • Docker • Zube

## EXPERIENCE

2020 **Data Engineer** (covid-19 layoff) @ Compaas • San Francisco

- Wrote a script to generate data for a custom seed company which allowed our sales team to demo our product with consistent and realistic data
- Captured additional client data by adding new fields to existing data models via Django's ORM
- Wrote scripts to flag duplicates and block updates on production until reconciled while retaining existing data and future-proofing us from client's being able to duplicate pay raises with our software

2019 **Data & Analytics Strategist** @ Palantir Technologies • NYC

- Developed data pipelines leveraging Spark's distributed computing framework to clean, transform, and integrate geospatial aircraft (ads-b) data collected via the OpenSky REST API with open-source aircraft, runway, and airport data enabling our client in the U.S. DOT to perform safety analyses at scale
- Defined a dynamic ontology modeled off of two mission-critical problems – aircraft misalignments and go-arounds – which reflected how safety analysts and aerospace engineers thought about their world
- [Parsed XML files](#) to extract text from federal documents and stored it as a PySpark SQL DataFrame
- Led in-person client demos and created training materials on [Palantir Foundry](#)

2019 **Associate Data Science Instructor** (contract) @ General Assembly • NYC

- Co-taught a 12-week course for 30 Morgan Stanley employees, developed [supplemental course material](#) to reinforce learning, and hosted virtual and in-person 1:1 office hours to support students

2018 **Data Science Scholar** @ General Assembly • NYC

- Awarded a full scholarship into an intensive program with coursework on regression analysis, hypothesis testing, bias-variance tradeoff, classification modeling, clustering analysis, etc.

2017 **Digital Marketing Analyst** (contract) @ Prudential • NYC

- Recreated Tableau dashboards on Adobe Analytics Workspace and led trainings as part of a team-wide effort to make data and tools more accessible for stakeholders

2016 **Data Analyst** @ Vox Media • NYC

- Analyzed social and website data, [built and maintained dashboards](#), [wrote reports](#), and shared insights on a weekly, monthly, and ad-hoc basis

## PROJECTS

**Data Modeling with Postgres via Udacity** [link](#)

Focused on data modeling using the STAR schema and building an ETL pipeline to transfer data from JSON files

## EDUCATION

**Rutgers Business School**  
B.S. Marketing, 2016

**General Assembly**  
Data Science, 2019

**Udacity**  
Data Engineering, 2020