

Paul Gagliardi

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Data Scientist

“Turning Data into insight and insight into action”

EDUCATION

UNIVERSITY OF DENVER (In progress)

2020 – 2022

Master of Science in Data Science

Focus: Database construction, Data Mining, Algorithms, Machine Learning, Parallel Computing, and general programming

UNIVERSITY OF COLORADO BOULDER

2013 – 2017

Bachelor of Arts in Physics - Astro Planetary Sciences Minor

Focus: Completed coursework involving long-term group projects, graduate level physics, research, coding in Python/R, computer sciences, and applied mathematics including complex linear algebra

SKILLS

- Python, SQL, R, and Linux programming languages, specializing in Data Science and Automation
- ETL Data Preparation, and pulling and cleaning information for use in Business Intelligence Tools
- Data analysis through Data Mining as well as Machine Learning tools such as Tensor Flow and Pytorch
- Experience with Data Presentation, Visualization, and Statistical Modeling in a business setting
- Big Data tools including Apache Spark (PySpark, SparkML) and AWS
- Highly Proficient with basic office software including Microsoft Office, Google Sheets, and Google Analytics
- Expert in graduate level Mathematics and Physics
- Proven ability to work well within a team to provide critical thinking, problem solving, and leadership

WORK EXPERIENCE

Dish Network Englewood, CO

2019 – 2020

Business Operations Analyst

- Managed the routing and booking software for Dish Technicians across the United States
- Independently pursued projects to refine efficiency and automate tasks using Python and R
- Created Ad Hoc reports regarding projects and ROIs that directly impacted decision making and KPIs
- Harnessed Tableau data flows with Teradata SQL to ensure a free flow of data to other teams and to inform company policies and decisions

Declaration Brewing Co. Denver, CO

2017 – 2019

Lead Brewer

- Oversaw the execution process of beer production from start to finish including packaging and distribution
- After signing with distributor, planned production schedule in coordination sales team
- Using varying techniques and methods, brewed, and maintained craft beer

PROJECTS

Polarization & a Divided America

2021

<https://github.com/pogags/Polarization-Twint-Project>

- Using twitter scrapes in conjunction with natural language processing, determined if the US has become more polarized
- Pulled five years of tweets across five topics, then performed a sentiment analysis and an extreme word count
- Collaboration with James Duchesneau

Life Expectancy and Fertility Rates Among Nations

2021

<https://github.com/pogags/LifeExpectancy-FertilityRate-Regression>

- Regression analysis on what factors have the largest impact on both life expectancy and fertility rates
- Developed and tuned five separate models performed feature importance analysis for each