ANTONIO LO FIEGO
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Cloud-Oriented Data and Software Engineer
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EDUCATION

Drexel University, LeBow College of Business — Philadelphia, PA
MS Business Analytics/Quantitative Finance (GPA 3.96) - STEM 3-Years OPT — Class of 2020
Coursework: Multivariate Analysis, Data Mining, Operations Research, Database Design, Machine Learning

City College of San Francisco — San Francisco, CA
Post-Bachelor Coursework, Computer Science and Math (GPA 4.0) — Jan. 2017 – May 2018

Alma Mater Studiorum - Università di Bologna — Bologna, Italy
BS in Business Administration, Management and Marketing — Class of 2016

TECHNICAL SKILLS

Languages/Software: Python, SQL, Shell, JavaScript (ES6), HTML5, CSS3, Git, Docker, Jenkins, Jira, Confluence, Tableau
Frameworks/Libraries: Express, Node.js, React, Gatsby.js, TailwindCSS, NumPy, Pandas, Scikit-Learn, TensorFlow/Keras, Spark
Data Engineering: MySQL, PostgreSQL, MongoDB, Apache Airflow, Snowflake, AWS (Glue, Athena, Redshift, RDS, DynamoDB)

CERTIFICATIONS

AWS Solutions Architect - Associate — July 2020
AWS Certified Cloud Practitioner — June 2020

WORK EXPERIENCE

Data Scientist Intern — Philadelphia, PA
RevZilla.com — Dec. 2019 – Mar. 2020
- Designed, developed, and tested a scalable Python-based machine learning algorithm for inventory allocation optimization that is deployed on Google Cloud tech stack and is forecasted to save up to $1.5MM/yr. in fulfillment costs.
- Orchestrated automated ETL processes to and from Snowflake data warehouse that reduced the effective use of Google Compute Engine VMs for modeling purposes to less than two days per month.
- Led a Scrum team in feature roadmap creation, backlog management, and sprint planning to reflect end user needs and facilitate software integration during the company-wide redesign of the admin interface.

Data Analyst Intern — Philadelphia, PA
Ben Franklin Technology Partners of Southeastern PA — June 2019 – Dec. 2019
- Designed, developed, and deployed a highly automated valuation and portfolio management framework, written in VBA and Python, that has cut equity analysts' valuation time by 75% for each of the portfolio companies quarterly.
- Performed equity valuation of 175+ venture-backed healthcare and technology start-ups. Used waterfall and breakpoint analyses, comparables approach, and Black Scholes Option Pricing Model.

Graduate Research Assistant — Philadelphia, PA
Graduate Research Assistant Drexel University, LeBow College of Business — Apr. 2019 – June 2019
- Conducted literature review related to statistical and algorithmic data confidentiality and quantitative privacy-preserving methodologies and successfully identified effective data treatments for use in academic research and publication.

SELECTED PROJECTS

antoniolofiego.com | Personal Portfolio Website Development and AWS Deployment (2020)
- Designed and developed personal website using Gatsby, React and TailwindCSS. Built CI/CD pipeline for deployment of frontend using AWS S3 and CloudFront and backend serverless API using SAM, Lambda, DynamoDB and API Gateway.

Pennsylvania Opioid Overdose Analysis, Drexel University/Code for Philly (2020)
- Performed extensive data cleaning, feature engineering, visualization, and modeling to identify key factors in survival odds for overdose cases in Pennsylvania using Random Forest classification and SHAP explainers in Python.

Airline Revenue Optimization, Drexel University (2019)
- Developed a Python optimization model, using mixed integer and constrained non-linear programming, as well as bespoke ensemble algorithms, to maximize profitability of a budget airline's route expansion plan.

Screening for Chronic Kidney Disease, Drexel University (2019)
- Built a predictive model in R to classify patient's risk of developing CKD using MICE imputation, Boruta feature selection and penalized logistic regression. Developed a Python web-based screening tool for patients to assess their risk.

LEADERSHIP

Co-Founder, President — Philadelphia, PA
Drexel Career Cornerstone Group — Sep. 2018 – Apr. 2020
- Organized school and city level networking events for Data Science professionals cumulating over 200 total participants.
- Received Exemplary Leadership Award for the achievements in enhancing the graduate cohort's student experience.