ZACHARY JORDAN STERN

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Unapologetic ingester of information. Passionate about data in all its forms. I love to share with others what I've learned and I welcome the difficult questions. Entrepreneurial + Inventive. Constantly curious Data Scientist.

SKILLS AND CERTIFICATIONS

STATISTICS: hypothesis testing, confidence intervals **MACHINE LEARNING:** data collection/cleaning, regression & classification models, feature engineering, NLP **CODING:** python, numpy, pandas, sklearn, git **DATA VISUALIZATION:** matplotlib **CERTIFICATIONS:** Microsoft essential statistics for data analysis using Excel, Microsoft analyzing and visualizing data with Excel

RELEVANT EXPERIENCE

DATA SCIENCE IMMERSIVE
GENERAL ASSEMBLY | WASHINGTON, DC | NOV. 2018 – PRESENT
- ❏ Created a CNN model to classify asphalt quality to reduce road inspection cost using data aggregated from web api's.
- ❏ Created a Python program for a FEMA contractor interested in developing tools to use after a natural disaster, that utilized photo metadata to aggregate and map information on housing prices.
- ❏ Built a Natural Language Processing model to classify Reddit postings using the Scikit-Learn library.
- ❏ Created an accurate regression model of housing prices in Ames, IA using Python, Pandas and Scikit-Learn.

SR. ESTIMATOR / PROJECT MANAGER
MANGANARO MIDATLANTIC, LLC | BELTSVILLE, MD | OCT. 2012 - SEP. 2018
- ❏ Responsible for improvements to key in-house project estimation software, improving data modeling accuracy and speed resulting in $80M in project estimates each year.
- ❏ Drove the implementation and use of optical character recognition on blueprints to expedite data gathering and produced a $10M project estimate weeks ahead of schedule.
- ❏ Responsible for market cost analysis. Presented detailed cost analysis and market data to the President.
- ❏ Developed and implemented inhouse estimating software training programs.
- ❏ Acted beyond the role to own marketing efforts; Conceived, wrote and produced the company's first ever promotional video highlighting our work on a high-profile project in order to generate new clientele ([Watergate West Video](#)).

OPERATIONS DIR. AND BUSINESS DEVELOPMENT MANAGER
APPLIED RESTORATION INC. | LEMON GROVE, CA | MAY 2004- SEP. 2012
- ❏ Managed IT infrastructure & IT contractors for multi-State company. Created the companies marketing website.
- ❏ Implemented software that moved the company to an all digital workflow virtually eliminating printing costs.
- ❏ Designed custom cost estimating software when available solutions no longer fit company need.

PROJECT ENGINEER
MANGANARO MIDATLANTIC, LLC | BELTSVILLE, MD | SEP. 2001 - DEC. 2003
- ❏ Utilized databases to track cost issues on multi-million dollar commercial construction projects.

EDUCATION

DATA SCIENCE IMMERSIVE
GENERAL ASSEMBLY | WASHINGTON, DC | NOV. 2018 – PRESENT

MASTER OF BUSINESS ADMINISTRATION
CONCENTRATION: DATA ANALYTICS (4.0 GPA)
UNIVERSITY OF MARYLAND | COLLEGE PARK, MD | 2015-2017
- ❏ Presented analysis performed on 500,000 Amazon reviews using AWS tools (Pig, Spark, Hive).
- ❏ Analyzed over one million lines of traffic violation data to create predictive models. Mapped using R.
- ❏ Presented to client, a consulting project analyzing bike rental data that increased efficiencies and reduced costs.

BACHELORS OF SCIENCE, DESIGN + ENVIRONMENTAL ANALYSIS
CORNELL UNIVERSITY | ITHACA, NY