

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 that utilized photo metadata to aggregate and map information on housing prices for a FEMA contractor interested in developing tools to use after a natural disaster.
- ❑ 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 in-house 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 company's 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