Ziv Schwartz

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EDUCATION

New York University	**New York, NY**
Data Science (MS)	2020
University of California, Los Angeles	**Los Angeles, CA**
Statistics (BS); Economics (BA)	2018

DATA SCIENCE

Technical Skills

- **Programming and Software Languages:** Python, R, SQL, Stata, Tableau, LaTeX, Git, Microsoft Excel
- **Big Data:** Apache Hadoop, Spark, Beam, MapReduce, Tensorflow Extended, AWS SageMaker, S3, EC2
- **Machine Learning:** Natural Language Processing, Regression, Classification, Feature Engineering, Clustering
- **Statistical Methods:** Data Mining, Linear Models, Regression, Hypothesis Testing and Confidence Intervals, Principal Component Analysis and Dimensionality Reduction

Relevant Coursework

- Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Pattern Recognition, Probability, Data Analysis, Computational Statistics, Cognitive Modeling, Macro & Microeconomic Theory, Econometrics, Game Theory, Firm Organization, Experimental Design, Behavioral Economics

Projects - GitHub.com/zivschwartz

WORK EXPERIENCE

Amazon	**Seattle, WA**
Applied Scientist (Intern)	June – August 2019

- Developed a natural language processing knowledge extraction product that allows users to obtain an easily digestible summary of hundreds of thousands of associate and informational documents, providing key topics, named entities, sentiments and question answering.
- Initialized AWS SageMaker Ground Truth labeling jobs to obtain more training data for named entities, question & answer pairs, and sentiment.
- Wrote a research paper and a PRFAQ (press release and FAQs) describing the feature design, technology stack and the knowledge extraction product implementation. These documents were sent out to the larger team of over 200 people and set the precedent for further NLP knowledge extraction work.
- Collaborated with product managers and stakeholders to get a better understanding for the fit of the knowledge extraction product by designing product mock-ups for the user experience and interface.

Amenity Analytics	**New York, NY**
Data Scientist (Intern)	Oct 2018 – April 2019

- Worked within Text.AI team to develop natural language processing and machine learning models using company's proprietary software on unstructured financial text documents to extract key insights and deliverables.
- Developed a script that synthesizes consumer API calls into user-friendly dashboards comprised of specific entities and their categories found within the financial text documents.

Spot.IM	**Tel Aviv, Israel**
Data Science Intern	June – August 2017

- Built and designed a churn rate algorithm to instantaneously detect when customers would disable the product, allowing the business operations team to reach out and bring back customers that churned.
- Aggregated the company's Google BigQuery tables and redesigned all prior reports and queries, reducing monthly billing costs by over $10,000 and facilitating data reporting processes for the team.
- Created an automated script to detect when new companies launched the product, allowing both the analytics and business operations team to collaborate and track the product's efficacy.