

Matthew J. Orr

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Selected Projects

- Created ETL Django app allowing users to upload CSV files & define data types to generate SQL for easy importing into databases.
- Trained & enhanced a neural network to detect diseases using spectral analysis of tomato crop images in order to minimize yield losses.
- Discovered a trend towards celebrity culture in business from an HDP-LDA mixture model that identified topics from Wired articles.
- Utilized false-positives from a random forest classifier to identify conversion targets from short-term Citi Bike users to annual subscribers.

Skills & Tools

Relevant Languages,

Libraries & Frameworks:

Python 2 / 3 (Django; Pandas, NumPy, scikit-learn, Scipy, Keras, NLTK, gensim, seaborn, Scrapy)
R (plyr, stringr, ggplot2, qcc, reshape2)
SQL
JavaScript (jQuery, Vue, D3)
HTML/CSS/Markdown

Database Servers:

PostgreSQL
MySQL
MongoDB

Version Control:

Git
Github

Cloud:

AWS (EC2)

Natural Languages:

English
French
Russian
German

Experience

Consultant, Mitor Solutions — Atlanta, GA

2015 – 2017

- Provided strategic management frameworks & training to non-profit executives to augment their donation & outreach departments.
- Supported multiple non-profit organizations with HR planning materials/exercises as well as dismissal services for redundant employees.
- Consulted with a cancer research organization during the product planning and branding stages of a novel tissue collection process.

Business Operations Analyst, Findyr — New York, NY

2014

- Evaluated existing processes in company-wide operations using internal data to eliminate 20 labor hours/day in a lean environment.
- Defined requirements & audit trail for admin systems comprising 10,000+ users in 100+ countries & designed its analytics dashboard.
- Implemented Zendesk for knowledge base & user support; collected & mapped response data to create an automated response system.

Account Manager, LanguageWorks — New York, NY

2012 – 2014

- Managed 600+ marketing & branding localization projects with total monthly revenue at 50% above peer group average.
- Planned & oversaw a system change to streamline existing PM software, reducing 80 hours/year per employee in administrative tasks.
- Undertook & retained 20+ at-risk clients such as SOASTA, Ipsos & Disney Theatrical Group through special customized services.

Project Coordinator, TransPerfect — New York, NY

2011 – 2012

- Maintained total monthly revenue & margin at levels 26% and 20% higher than peer group average in 450+ localization projects.
- Led a team of project managers & selected vendors to QA new in-house PM software; liaised with dev team to create goals & targets.
- Recruited Inuktitut-speaking legal experts for translations by developing contacts at Canadian government entities & tribal councils.

Market Research & Strategy Intern, Platinum Partners — Cairo, Egypt

2011

- Presented data-driven strategy proposals for Siemens, Allianz, Roca & Aalborg Portland to maintain business presence during revolution.

Outreach & Public Affairs Intern, Institute of International Education — Washington, DC

2010

- Coordinated between 500+ institutes & 23 brand ambassadors; drafted 5 successful trade exhibition proposals as well as web content.

Education

Metis — New York, NY

2017

Certificate in Data Science

Indiana University — Bloomington, IN

2008 – 2011

Bachelor of Arts in Political Science & Russian Linguistics; Minor in West European Studies

St. Petersburg State University — St. Petersburg, Russia

2010

Certificate in Russian Studies