Jason Perelshteyn

data scientist and full-stack software developer passionate about designing software and implementing analytical algorithms to create smart, efficient solutions

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RELEVANT EXPERIENCE

Metis Data Science Bootcamp, New York, NY— *Data Science Apprentice*

SEPTEMBER 2015 - DECEMBER 2015

- Immersive program building data science skills through project-based curriculum
- Learnt data science techniques such as: OLS, k-NN, SVM, Decision Trees, NLP, K-means, DBSCAN, Cloud Computing, MapReduce, ETL, Web Scraping
- Worked with Python packages: pandas, numpy, sklearn, scipy, patsy, statsmodels, NLTK, matplotlib, seaborn, selenium, BeautifulSoup; Relational/Document Dbs
- Used regression analysis to measure critical reviews on movie attendance
- Predicted criminality within longitudinal data set with logistic regression
- Used NLP sentiment analysis to visualize Twitter reactions to news
- Created custom NLP tool similar to WordNet's synsets to match recipes to music

Miles Technologies, Moorestown, NJ — *Software Developer*

MAY 2014 - SEPTEMBER 2015

- Developed and supported enterprise software for mid-sized businesses (ASP.NET)
- Programmed SQL Server (schemas, views, FKs, stored procedures, UDFs, jobs)
- Coded VB/C# application layer (EF, business objects, security, custom web controls)
- Developed front-end (HTML, validation, AJAX, responsive / user-friendly design)

PREVIOUS EXPERIENCE

Boatyard Grill / Ciao of Ithaca, Ithaca, NY — *Cook*

JUNE 2011 - MAY 2013

Student Agencies, Inc., Ithaca, NY — *Manager*

AUGUST 2010 - JUNE 2011

Cornell University, Sociology Department (ABD) — *Graduate Student, Instructor*

2004 - 2010

- Curriculum focused on quantitative methods, experimental design and philosophy

RESEARCH

Broken Laws, Unprotected Workers — *Violations of Labor Laws in American Cities*

AUGUST 2008 - JUNE 2009

- Worker survey that exposed systematic and routine violations of labor laws
- Supervised data cleaning team; wrote SPSS scripts to create variables for analysis; coded local, state and federal laws into triggers for measuring violation rates

SERVICE

US Army Reserve, 416th Civil Affairs Bn, Norristown, PA — *Sergeant (E-5)*

1999 - 2005

- Veteran of the Iraq War (2004)

EDUCATION

Pennsylvania State University — *Bachelor of Science in Sociology*

1998 - 2003

Math and Stats heavy curriculum; minored in Psychology and History