Jason Perelshteyn

experienced software engineer, creative data scientist from a social science research background with passion for smart, data-driven solutions

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github.com/jperelshteyn

RELEVANT EXPERIENCE

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

SEPTEMBER 2015 - DECEMBER 2015

- Immersive program building data science skills through project-based curriculum
- Acquired and cleaned data (scraping websites and consuming web APIs)
- Used machine learning tools to predict movie attendance, criminal behavior and to visualize Twitter reactions to news and 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)
- Overhauled NRLCA's (National Rural Letter Carrier's Association) CRM and website
  - took initiative to work directly from scope of work and old code
  - created database design (schemas, views, FKs, stored procedures)
  - coded application layer (business rules, security, custom web controls)
  - developed front-end (validation, AJAX, responsive, user-friendly design)
  - designed and implemented document migration

PREVIOUS EXPERIENCE

Boatyard Grill / Ciao of Ithaca (restaurants), Ithaca, NY — *Cook*

JUNE 2011 - MAY 2013

- Prepared and supervised preparation of sauces, soups, pastas, appetizers

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

AUGUST 2010 - JUNE 2011

- Managed note-taking business (budgeting, hiring, marketing, professor relations)

Cornell University, Sociology Department — *Graduate Student, Instructor*

2004 - 2010

- TA, RA, taught writing seminar, completed all required coursework

RESEARCH

Broken Laws, Unprotected Workers — *Violations of Employment and Labor Laws in American Cities (www.unprotectedworkers.org)*

- 2008 worker survey that exposed systematic and routine violations of employment and labor laws
- supervised data cleaning team; wrote script to create variables for analysis; translated local, state and federal laws into triggers for measuring violation rates

EDUCATION

Pennsylvania State University — *B.S. Sociology*

Math and Stats heavy curriculum; minored in Psychology and History

SERVICE

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

Veteran of the Iraq War (Mosul, 2004)

SKILLS

Data management and analysis:
- SQL (Server, PostreSQL)
- MongoDB
- Python (pandas, sklearn, numpy)
- AWS
- Machine Learning (Supervised, Unsupervised, NLP)
- Statistics (Regression, Probability)
- Stata, SPSS, SAS
- REST API (XML, JSON)
- Hadoop, Spark

Web development:
- ASP.NET (IIS, Web Forms)
- Python (Flask)
- JavaScript (jQuery, AJAX, D3)
- CSS (Bootstrap)
- Telerik Web Controls
- Apache Server

Software development:
- VB, C#, Python, JavaScript, Scala
- GitHub
- Entity Framework (LINQ)
- Object-Oriented design
- Full Development Life-Cycle

LANGUAGES

Russian (fluent)