Raymond Harris

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Data Scientist with experience using python for data analysis and machine learning. Passionate about surfacing insights to improve products and processes. Good at communicating complex topics to a variety of audiences.

TECHNICAL SKILLS

Software and Programming Languages: Python (scikit-learn, pyspark numpy, pandas, networkx, matplotlib, seaborn), SQL, Excel, Salesforce, Relational Databases, NoSQL (DynamoDB)

Statistical Methods: Linear and logistic regression, hypothesis testing (T, Z, Chi-squared tests) and confidence intervals, principal component analysis and dimensionality reduction, TF-IDF

Machine Learning: Classification, regression, clustering, hyperparameter tuning, data wrangling & preprocessing

DATA PROJECTS

Hacker Newsfeed https://github.com/raymondgh/springboard-data-science/tree/master/Capstone%202

To recommend the most provocative community members, the Hacker News corpus of 2.8 million items is acquired via Google BigQuery and categorized by topic using TF-IDF and a node-edge graph. Top users are identified per topic and their latest content is provided for consumption via the official API, ideal for a news feed.

Economic Growth https://github.com/raymondgh/springboard-data-science/tree/master/Capstone%201

To predict whether a US county's economy will grow, as measured by number of business establishments, Census and IRS data are downloaded from official sources in 106 files. The study investigates whether internal migration from county to county can predict growth. Pandas and various logistic machine learning methods are used to train and tune models for increased accuracy and ROC scores.

EDUCATION

Data Science Career Track, Springboard

March 2018, San Francisco, CA

500+ Hours of curriculum covering Python, R, Data Wrangling, Data Storytelling, Inferential Statistics, Machine Learning, Social Network Analysis

B.S. Business Administration, Northeastern University

August 2013, Boston, MA

Microeconomics, Macroeconomics, Business Statistics, Fundamentals of Computer Science, Programming for Games

WORK EXPERIENCE

Project Manager, Marker Seven - Digital Agency

May 2017 - October 2017 www.markerseven.com

- Concurrently managed 6 projects with SCRUM methodology, working with designers and developers
- Led agile product management of *KQED Learn* student platform from through launch to 1,500 users including user research, developing user stories, and prioritizing backlog amid fluid stakeholder goals

Account Executive, Yelp

February 2016 - April 2017 www.yelp.com

- Built easy-to-use metrics dashboard for sales reps and managers to improve KPIs. Trained managers on usage and rolled out access to entire organization.
- Closed $113,000 in advertising revenue from local businesses across the US

Co-Founder, Product Manager, Shiftmates - Employee scheduling software

June 2014 - March 2015 www.shiftmates.net

- Grew startup from to 60+ user beta over 10 months working alongside 2 co-founding engineers
- Empathized with customer pain points via quantitative research, 40+ on-site interviews with small businesses, cold-calling, email, and personal experiences to create distinct customer personas.
- Designed user experiences for employees and managers across web, email, & sms interfaces