

Selected Experience

Data Scientist

Data Innovation Lab @ Capital One (San Francisco, Ca.) 06/15 - Now
Lead research team modeling for fraud problem space with class imbalance & adversaries; H2O.ai, GraphLab, SKLearn
Deployed sub-millisecond real time model; Apache Apex
Recommended distributed machine learning frameworks for general adoption at Capital One; H2O.ai, GraphLab, Apache Spark

Various Technical Positions

Lawfty (San Francisco, Ca.), RevUp Software (Redwood City, Ca.),
Perkins + Will Architecture (San Francisco, Ca.) & Lawrence Berkeley
National Lab. (Berkeley, Ca.)

Front End Supervisor

The Home Depot Pro (Colma, Ca.) 05/11 - 03/13
Positions held: Cashier, Special Services Assoc., Tool Rental Assoc.
Supervised and trained a staff of 10-30 team members

Personal Projects

Identified genre of Billboard Hot 100 songs using ensemble algorithm built with Support Vector Machine, Neural Network, Stochastic Gradient Boost, and Random Forest algorithms; Python, Pandas, R and Scikit-Learn

Implemented Naive Bayes text classification algorithm and trained this algorithm to correctly label 83% of movie reviews; Python, numpy and Pandas

Python, Python, VB

Created database containing lyrics of Billboard Hot 100 songs since 1958; R, Python, Pandas and Beautiful Soup 4

Built a multi-threaded web scraper and search engine with web user interface; Java, MySQL and HTML5/CSS

Built resume parsing package which extracts text, finds contact details, and checks for required keywords; Python and Pandas

Brendan Herger

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Education

MS, Analytics

University of San Francisco, July 2015

Relevant Coursework: Machine Learning, Adv. Machine Learning, Data Acquisition, Exploratory Data Analysis, Relational Databases, NoSQL Databases, Linear Regression Analysis, Time Series Analysis, Intro. SAS

BS, Physics

University of San Francisco, May 2014

Minors: Computer Sciences, Mathematics

Honors: University Scholar, President of ΠME Math Honors Society

Relevant Coursework: Software Development, Data Structures & Algorithms, Differential Eqn.'s, Linear Algebra, Graduate Econometrics

Online

Hergertarian.com
github.com/bjherger
linkedin.com/in/bjherger
hergertarian.wordpress.com/