

John Martinez

Data Scientist - Neiman Marcus

Dallas, TX - Email me on Indeed: [indeed.com/r/John-Martinez/c49eceb13b9c035f](https://www.indeed.com/r/John-Martinez/c49eceb13b9c035f)

Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist

Neiman Marcus - Dallas, TX - January 2016 to Present

USA. Provided personalized offers for 200k+ core customer group. Modeled problem by feeding incidence browse and purchase data by custom categories to a convolutional recurrent neural network (LSTM) to predict the category and week items would most likely be purchased. Current project ROI of 813%.

Prototyped a Facebook Chatbot app using Facebook's Messenger API and node.js. Demonstrated the app's functionality to company executives.

Modeled intermittent SKU-level demand using Croston's Method to help strategically transfer millions of items of inventory across 42 stores.

Implemented the customer choice model described in the paper Restricted Boltzmann Machines Modeling Human Choice using Theano and NumPy.

Built a Quad NVIDIA Titan X server for our data science team to develop and deploy Deep Learning models on GPUs.

Data Scientist

Neiman Marcus - Irving, TX - June 2014 to October 2015

USA.

Optimized markdown schedules and increased profitability of lower-performing products in cooperation with the merchandising team.

Built a convolutional neural network using Lasagne/Theano which classified 125,000 images into ten respective categories with 95%+ accuracy and presented results at an internal symposium.

Constructed the mathematical model outlined in Detecting Anomalies in Network Traffic Using Entropy and Mahalanobis Distance to detect anomalous browsing behavior on the website.

EDUCATION

M.S. in Information Systems

University of Texas - Richardson, TX

September 2012 to May 2014

B.A. in Mathematics

University of Oklahoma - Norman, OK

August 2002 to December 2007

SKILLS

Amazon Elastic Compute Cloud (Less than 1 year), Database (Less than 1 year), EC2. (Less than 1 year), Eclipse (Less than 1 year), hadoop (2 years)

ADDITIONAL INFORMATION

Skills

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Languages, Python, Haskell, R, Scala, C++11, bash, SQL, Hive, Pig, LTEX.

Tools, scikit-learn/image, nltk, theano, lasagne, keras, tensorflow, gensim, pandas, numpy, scipy, networkx, hyperopt, ipython notebooks.

Database, Hadoop, MySQL, PostgreSQL, MongoDB.

OS, Ubuntu [...] Mac OSX, Windows 7.

Cloud, Amazon Web Services - S3, EC2.

Visualization, Tableau, Matplotlib/Seaborn.

Text/Edit, Vim, Sublime Text 2/3, Eclipse, IntelliJ, Atom.