Warren Mar

Experience

Senior Software Engineer, Google — October 2016 - Current

- Created new robocall detection model based on call recordings for spam server to reduce robocalls going to advertisers.
- Created new NLP ML model to reduce fraud and abuse in ads.
- Mentored junior engineers and coordinated with partner teams on improving the existing auction quality, and bidding models.
- Helped build out and maintain the call recording platform.
- Worked on the entire ML ecosystem (human evaluation, feature generation and logging, model architecture, model training, model evaluation, latency measurement, resourcing, and model serving).
- Helped students from HBCUs and HSIs with mock interview preparation as part of the Tech Exchange program.

Member of Technical Staff, BloomReach — May 2013 - October 2016

- Started attribute extraction team as technical lead. The team used NLP to extract information from unstructured text and put it into context to power the search engine and other products.
- Rewrote organic search product on Hadoop platform to scale.
- Crawled internet for monitoring and building knowledge base.
- Developed frontend testing for the analytics product.
- Edited content for engineering blog.

Fellow, Insight Data Science — January 2013 - March 2013

- Developed web application to automagically group Flickr photos on Flask framework hosted on AWS using scikit-learn machine learning library.

Research Assistant, Manoharan Lab — October 2006 - June 2012

- Created new materials atom by atom that exhibited novel electronic properties to explore Dirac physics.
- Wrote Matlab libraries to process, extract, and visualize quantum mechanical simulation results for new diamond-based materials.

Interim Engineering Intern, Qualcomm — Summer 2006

- Developed image acquisition, processing and analysis software for testing and verification of the MEMS iMod (Interferometric Modulator) display panel.

Education

Electrical Engineering Ph.D.
Stanford University, 2012

Electrical Engineering B.S. and Physics B.S.
University of California San Diego, 2005

Skills

Python, C++, Java, Objective-C, HTML5, Javascript
Hadoop, Cascading, Spark, CUDA, OpenGL, jQuery, AWS
Cassandra, Solr, ElasticSearch, SQL, Redshift

Patents

Attribute extraction US-10445812-B2