

OMOJU THOMAS MILLER

EX-GOOGLE | WHITE HOUSE INFLUENCER | UC BERKELEY PH.D.

skills

Programming Languages: Python, Prolog, C, C++, Ruby(basic), SQL
Frameworks: XGBoost, NLTK, Pandas, Numpy, Scikit-Learn, Word2Vec
Version Control Systems: Git

projects

Creating Customer Segments Sept 2016
 - Built an unsupervised learning model to identify customer segments from data.
Semantic Web Expert System Shell (SWEXSYS) Sept 2006
 - Created an intelligent system platform capable of reasoning with multiple ontologies.

professional experience

Insight Datascience - Data Science Fellow Palo Alto, CA | Jan 2017-Present
 - Built a large-scale hierarchical classification model for a YC backed management service company.
 - Scaled solution to accommodate growing taxonomy of item categories.
UC Berkeley - CSEd Doctoral Candidate Berkeley, CA | Dec 2013-May 2016
 - Applied machine learning to investigate student decision making around computer science choices.
 - Developed a data science unit within a historical [intro CS course](#), CS10.
Google - Technology Portfolio Manager Mountain View, CA | Feb 2014-Dec 2015
 - Co-led a \$15M CSEd portfolio. Grew the portfolio by 25%.
 - Co-led the development of vocabulary glossary for Android Development for Beginners course.
ICSI¹ - Graduate Researcher Berkeley, CA | Mar 2011-Dec 2012
 - Built a conceptual metaphor [Semantic MediaWiki](#) capable of ingesting data in English, and Farsi.
 - Contributed to the design of conceptual metaphor framework.
UniversityNow - Data Scientist (Intern) San Francisco, CA | Jun 2012 -Aug 2012
 - Led a 3 person team responsible for creating an analytics console.
 - Pulled and integrated data from two separate database management systems.
Center for Advanced Sensors - Graduate Researcher Memphis, TN | Aug 2003-Nov 2006
 - Co-designed [OntoSensor](#), a sensor ontology using Semantic Web Ontology Language (OWL).
 - Built an intelligent reasoning agent capable of reasoning with data in XML and RDF formats
Thoughtware Learning Technologies - Software Engr Memphis, TN | Aug 1999-Nov 2001
 - Contributed to the development of eLearning workforce development management system.
 - Quality assurance for an eLearning management system.

teaching experience

UC Berkeley - Graduate Student Instructor Berkeley, CA | Spring 2011
 - Introduction to C++ programming
University of Memphis - Adjunct Faculty Memphis, TN | Fall 2009, Spring 2010
 - C programming for Engineers

education

Udacity - Machine Learning Nanodegree (Expected 2017)
UC Berkeley - Computer Science Education, Ph.D. 2016
University of Memphis - Intelligent Systems (EECE), M.S. 2004
University of Memphis - Computer Science, B.S. 2001

grants, honors, & awards

Levo 100: Transformer, Levo League, California 2015
Bloomberg Beta Future Founder, Bloomberg Beta, California 2014
Winner, White House Dept of Edu EdDataPalooza, Washington DC 2014

¹ International Computer Science Institute