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http://buff.ly/1TXyVq5 in
https://github.com/omoju ⦿
http://omojumiller.com ⦿

OMOJU THOMAS MILLER

Ex-Google | White House Influencer | UC Berkeley Ph.D.

skills

Programming Languages: Python, HTML, Prolog, C, C++, Ruby(basic), SQL
Framework: XGBoost, NLTK, Pandas, Numpy, Scikit-learn
Version Control Systems: Git

projects

Identify Factors that Predict Intro CS Experience Based on Gender — Sept 2016
- Designed a data-driven investigation of the experience of intro CS at UC Berkeley.
- Implemented a XGBoost classifier to identify factors that determine CS belonging.
- Exploited information gain and cover as a mechanism for model interpretability.

Semantic Web Expert System Shell (SWEXSYS) — Sept 2006
- Created an intelligent system platform capable of reasoning with multiple ontologies.
- Adapted SWEXSYS platform to sensor fusion using Dempster-Shafer theory of uncertainty.

profession experience

Insight Datascience - *Data Science Fellow* — Palo Alto, CA | Jan 2017-Present
- Built a large-scale hierarchical classification model for a restaurant-financial management service company.
- Improved baseline performance on item classification by 50%.

UC Berkeley - *CSEd Doctoral Candidate* — Berkeley, CA | Dec 2013-May 2016
- Designed a data-driven, machine learning, research study to investigate gender in intro CS.
- 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.

ICSI[1] - *Graduate Researcher* — Berkeley, CA | Mar 2011-Dec 2012
- Implemented a conceptual metaphor Semantic MediaWiki in English, Spanish, 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 for understanding user behavior.
- Built back-end of data analytics console.

Center for Advanced Sensors - *Graduate Researcher* — Memphis, TN | Aug 2003-Nov 2006
- Co-designed OntoSensor, a sensor ontology using Semantic Web Ontology Language (OWL).
- Created and adapted SWEXSYS platform to sensor fusion.
- Co-wrote one of the most cited research papers in its area

education

Udacity - Machine Learning Nanodegree — (In Progress)
UC Berkeley - Computer Science Education, Ph.D. — 2016
University of Memphis - Electrical and Computer Engineering, 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

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[1]International Computer Science Institute