@omojumiller 🐦
omojumiller@cal.berkeley.edu ✉
http://buff.ly/1TXyVq5 in
https://github.com/omoju ⊙
http://omojumiller.com 🌐

OMOJU MILLER

Data Scientist with 6 years computational intelligence experience.
Ex-Google | White House Influencer | UC Berkeley PhD.

skills

Programming Languages: Python, C, C++, Ruby, HTML, Prolog
Framework: XGBoost, NLTK, SciKit Learn
Version Control Systems: Git

projects

Predicting Gender in Introductory CS
- Designed a comprehensive data-driven investigation on the dynamics of gender in intro CS.
- Implemented a gradient boosting classifier to predict gender of CS students based on experience.

Semantic Web Expert System Shell (SWEXSYS)
- 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

UC Berkeley, CSEd Doctoral Candidate, CA, Dec 2013 - May 2016.
- Designed a data-driven investigation with machine learning to investigate gender in intro CS.
- Built innovative data science unit within a historically intro CS course, CS10.

Google, Technology Portfolio Manager, 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, Graduate Researcher, 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, Semantic Data Scientist Intern, CA, Jun 2012 - Aug 2012.
- Managed a three people team responsible for designing and building a data analytics console.
- Built back-end of data analytics console.

TEDxEuclidAve, Founder and Curator, CA, Aug 2011 - Aug 2012.
- Led the planning of TEDxEuclidAve 100+ member conference in service of social entrepreneurship.

Center for Advanced Sensors, Graduate Researcher, 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.

Thoughtware Learning Technologies, Software Engr, TN, Aug 1999 - Nov 2001.
- Contributed to the development of Internet based workforce development management system.

education

Nanodegree, Machine Learning, Udacity, (In Progress).
Ph.D, Computer Science Education, UC Berkeley, 2016.
M.S., Electrical and Computer Engineering, University of Memphis, 2004.
B.S., Computer Science, University of Memphis, 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, January 2014