

OMOJU THOMAS MILLER

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

skills

Programming Languages: Python, SQL, Prolog, C, C++, Ruby(basic)

Frameworks: Tensor Flow, Keras, Apache Spark, Pandas, Numpy, Scikit-Learn, Gensim

Version Control Systems: Git

Project Management Systems: Agile, Kanban

projects

ReceiptdID

Jan 2017

- Created a chained-multi-label, multi-class, hierarchical classification system.
- Build ensemble method that included over 200+ individual classifiers.

Semantic Web Expert System Shell (SWEXSYS)

Aug 2004

- Created an intelligent system platform capable of reasoning with multiple ontologies.

profession experience

GitHub - *Senior Data Scientist, Machine Learning*

San Francisco, CA | July 2017-Present

- Works on applied machine learning to optimize software development lifecycle on GitHub.
- Co-Developed Discovery Dashboard Recommendation Engine.

Insight Data Science - *Data Science Fellow*

Palo Alto, CA | Jan 2017-Jun 2017

- 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

- Designed a 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 course.

ICSI¹ - *Graduate Researcher*

Berkeley, CA | Mar 2011-Dec 2012

- Built a conceptual metaphor [Semantic Wiki](#) 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 an AI eLearning workforce development platform.
- Quality assurance for an eLearning management system.

teaching experience

Metis Data Science - *Instructor*

San Francisco, CA | Fall 2017

- Introduction to Data Science

UC Berkeley - *Graduate Student Instructor*

Berkeley, CA | Spring 2011

- Introduction to C++ programming

education

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

Member (Expert Network: AI), World Economic Forum, Davos, Switzerland, March 2017.

Bloomberg Beta Future Founder, Bloomberg Beta, California, 2014.

Winner, White House Dept of Edu EdDataPaloza, Washington DC, January 2014.

¹International Computer Science Institute