

# 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

- 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)

Sept 2006

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

## professional experience

### GitHub - Senior Data Scientist, Machine Learning

San Francisco, CA | July 2017-Present

- Co-Developed Discovery Dashboard Recommendation Engine.
- Attained a click-through rate of 20%.

### 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

- 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.

### ICSI<sup>1</sup> - 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

### 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

Udacity - Machine Learning Nanodegree

(In Progress)

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

Member, World Economic Forum (Expert Network: AI and Robotics), Davos, Switzerland

2017

Winner, White House Dept of Edu EdDataPaloza, Washington DC

2014

Bloomberg Beta Future Founder, Bloomberg Beta, San Francisco CA

2014

<sup>1</sup>International Computer Science Institute