

OMOJU MILLER

profession experience

- GitHub - Technical Advisor to CEO** San Francisco, CA | Feb 2020-Present
- Leads Technical Research and Tiger Team projects.
 - Provides technical input, working with product teams to understand and define technical issues, brief the executive, leadership team and stakeholders as needed.
- GitHub - Senior Data Scientist, Machine Learning** San Francisco, CA | July 2017-Present
- Worked on applied machine learning to optimize software development lifecycle on GitHub.
 - 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
- 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.
- TEDxEuclidAve - Founder and Curator** Berkeley, CA | Aug 2011-Aug 2012
- Led a 10 person team responsible for executing on the vision.
 - Led strategy for [TEDxEuclidAve](#), a 100+ member conference, bringing together innovative thinkers across technology, design and entertainment in service of social entrepreneurship.
- 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.

¹ International Computer Science Institute