KIMBERLY MCMANUS Ph.D.

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Experience

23andMe, *Scientist* Mountain View, CA (April 2017 – Present)

- Managed team of 3-4 data scientists to develop data products for predicting ancestry
- Ran cross functional projects with research, product, and engineering organizations
- Participated in full product development cycle, from R&D hypothesis to production deployment

LinkedIn, *Software Engineer* San Francisco, CA (Jan. 2016 – Mar. 2017)

- Developed recommendation algorithms to match members to jobs they may be interested in
- Feature engineering / NLP to extract key insights from job posting text (e.g. education level, skills)

LinkedIn, *Data Science Intern* Mountain View, CA (Summer 2014)

- Developed one class SVM model to identify high quality text articles for distribution on LinkedIn
- Analyze CTR across email types for email portfolio optimization

Stanford University, *PhD Candidate* Stanford, CA (2012 - 2015)

- Graduate studies at nexus of machine learning, computational biology & statistical genetics
- Analyzing demography & selection in whole genome sequence data
- Mining Twitter data to improve detection of schizophrenia

Education

Stanford University Stanford, CA (2015)
PhD, Population Genetics
MS, Biomedical Informatics

Massachusetts Institute of Technology Cambridge, MA (June 2011)
BS, Biology with minor in Earth, Atmospheric & Planetary Sciences

St. Catharine's College, Cambridge University *Study abroad* Cambridge, UK (Sept. 2009 - June 2010)

Leadership / Skills

Leadership: BCATS (Biomedical Computation at Stanford) conference co-chair, CalAcademy Volunteer, MIT Educational Counselor, Stanford at the Tech Volunteer, LinkedIn WIT (Women in Technology), NERT volunteer

Languages/Tools: Python, R, AWS, Pig, Shell scripting, Hadoop

Select Publications / Patents

- McManus KF*, Mallory E*, Goldfeder R*, Haynes WA*, Tatum J*. 2015. Mining Twitter data to improve detection of schizophrenia. *AMIA CRI Conference Proceedings.*
- Grover A, Arya D, Venkataraman G, McManus K, Zhang L. 2019. Determining similarities among industries to enhance job searching. (US Patent Number: 10474725). U.S. Patent and Trademark Office.
- McManus KF*, Taravella AM, Henn BM, Bustamante CD, Sikora M, Cornejo OE. 2017. Population genetic analysis of the DARC locus (Duffy) reveals adaptation from standing variation associated with malaria resistance in humans. *PLoS genetics.*