

KIMBERLY MCMANUS Ph.D.

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Experience

23andMe, *Scientist*

Mountain View, CA (April 2017 – Present)

- Manage team of 3-4 data scientists to develop data products for predicting ancestry
- Lead cross functional projects with research, product, and engineering orgs
- Oversee full product development cycle, from R&D hypothesis to production deployment

LinkedIn, *Software Engineer*

San Francisco, CA (Jan. 2016 – Mar. 2017)

- Created 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
- Analyzed 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
- Analyzed demography & selection in whole genome sequence data
- Mined 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: CalAcademy Volunteer, NERT (Neighborhood Emergency Response Team) certified, BCATS (Biomedical Computation at Stanford) conference co-chair, MIT Educational Counselor, Stanford at the Tech Volunteer, LinkedIn WIT (Women in Technology)

Languages/Tools: Python, R, AWS, SQL, 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*.