EDUCATION

Stanford University

Sep 2014 - present

• PhD in Computer Science under Professor Anshul Kundaje

Massachusetts Institute of Technology

June 2013

• B.S. Computer Science with Molecular Biology, Minor in Mathematics

GPA 5.0/5.0

EXPERIENCE

Palantir Technologies Healthcare Team - Forward Deployed Engineer

June 2013 - Sep 2014

- Primary developer for team's first enterprise deployment. Created a way to integrate Palantir's two major platforms into a seamless experience; success was highlighted company-wide. Built multiple code libraries off-the-clock for use team-wide and company-wide; 3 ongoing patent filings/discussions.
- Consistently rated high on bi-annual reviews, in which lead (Lekan Wang) told me I had at times done the work of 2-3 coders and had set a new standard for productivity among my teammates.

MIT Computational Biology Group (Kellis Lab) - SuperUROP

Sep 2012 - June 2013

• Without supervision of a graduate student, applied a Hidden Markov Model to identify transcription factor binding sites using histone modification data. Won an award for outstanding research.

MIT Boyer Lab - UROP

Sep 2010 - Sep 2012

Analyzed high-throughput data on cardiac stem cells. Exercised autonomy on how best to process the data to
answer biological questions. As I matured as a researcher, I tested my own hypotheses and presented results to my
Postdoctoral colleague. See publication. Supervisors: Professor Laurie Boyer, Dr. Joseph Wamstad.

Publications

Cell - Sep 2012

- Collaboration between Boyer lab at MIT and Gladstone Institute. I performed the bulk of bioinformatics analysis at the Boyer lab. **Dynamic and coordinated epigenetic regulation of developmental transitions in the cardiac lineage**. Cell 151, 206-220.
- 104 citations as of Sep 2014.

Circulation Research - Dec 2014

• Collaboration between Boyer lab at MIT and Lee lab at Harvard. I analysed RNA-seq data to study transcriptional reversion. **Transcriptional Reversion of Cardiac Myocyte Fate During Mammalian Cardiac Regeneration**. Circ Res. 2014 Dec 4. pii: CIRCRESAHA.114.304269.

SKILLS

Programming

- Primary languages: Java (primary language at Palantir), Python (primary language during PhD; personal emphasis on code reusability in contrast to 'hacky' culture of bioinformatics), Perl (for "quick and dirty")
- VPython: Personal coding projects in high school. Simulations of Rubik's Cube and Sudokube: http://www.youtube.com/watch?v=fLvs5nvT2j8
- Moderate experience in SQL/PostgreSQL, Javascript/CSS/HTML, R and MATLAB.

Interesting

- Calculator art with parametric equations http://www.youtube.com/watch?v=r-I5M--fvJQ)
- Acted in multiple student theater productions at MIT, directed for one.

ACHIEVEMENTS & HONORS

SuperUROP Outstanding Research Award

• For project "Doubling the precision of DNA binding site prediction using a novel dataset" in Kellis lab

American Institute of Chemical Engineers Sophomore Academic Excellence Award

• Awarded to the student with the highest GPA among chemical engineering sophomores at MIT.

IGCSE examinations

• The IGCSE was administered in roughly 300 schools in India. I had the highest score in India in Extended Mathematics Without Coursework (June 2006), Physics(June 2007) and Geography (June 2007).