ANKUR RASTOGI

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EDUCATION

University of Southern California — Los Angeles, CA
Viterbi School of Engineering — Graduation: May 2019
B.S. Computer Science, *Magna Cum Laude* — GPA: 3.74
Presidential Scholar (top 2-3% of class)

PROFESSIONAL EXPERIENCE

23andMe | *Software Engineer* — *July 2019 – Present*
- Worked across product and engineering to iterate on 23andMe's new **Family Health History Tree** feature, integrating health and ancestry data to build out the company's most-requested feature.
- Productionized and deployed Ancestry R&D's machine learning models for **10M+ genotypes**.
- Rebuilt 23andMe's Neanderthal report from the ground-up: updated and deployed new algorithms, revamped report UI/UX, and updated report content.
- Retooled site-wide accessibility issues to make 23andMe's report available to everyone.
- Organized the biweekly Demo Day, hosting engineering presentations from across the organization

Tech.LA Fellowship Program | *Co-Founder, Director, Advisor* — *August 2016 – May 2019*
- Co-founded LA's first technology summer internship program (http://tech.la), bringing together undergraduate students from Stanford, Brown, USC, and RIT and **13 startups** across the city.
- Built and managed a team of 7 to organize a series of summer events featuring technology companies, venture capitalists, and incubators in the greater LA community.

23andMe | *Software Engineering Intern* — *May 2018 – August 2018*
- Rebuilt 23andMe's Maternal Haplogroup report while interning on the Ancestry Engineering team
- Integrated updated phylogenetic trees and improved computational methods to achieve **2.8x increase** in report granularity. Developed in Python.

USC Kuhn/Hicks Lab | *Undergraduate Research Fellow* — *January 2018 – May 2019*
- Collaborated with Dr. Jeremy Mason and Dr. Peter Kuhn in the Mathematical Oncology team to analyze metastatic pathways in longitudinal breast and lung cancer data sets. Revisited existing Markov models.
- Worked in C++ and Python to integrate genomic, and clinical data into machine learning models to better predict breast cancer development, progression, and outcomes.

Esri | *Software Engineering Intern* — *May 2017 – August 2017*
- Decreased ArcGIS Pro startup times on the Map Authoring team by restructuring core code to implement multi-threaded, on-demand map loading from all project files.
- **Won 1st place in the intern hackathon** for Visable: a Chrome extension that allows users to contextualize locations mentioned in articles in an interactive 3D map overlaid on websites

EXTRACURRICULARS AND PROJECTS

Spark SC | *Director of Special Projects; Core Team* — *January 2016 – May 2019*
- Worked on the following projects in USC's premier student innovation group (sparksc.org):
- *Startup Career Fair:* Organized 5 distinct Startup Career Fairs, each with **800+** students, **20+** LA-based companies) to connect companies with USC students.
- *Spark XM*: Hosted a podcast focused on entrepreneurship and innovation featuring Thiel Fellows, USC student founders, and other entrepreneurs.

Viterbi School of Engineering | *Viterbi Student Ambassador* — *May 2016 – May 2017*
- Selected by the Director of Undergraduate Admissions to represent the Viterbi School of Engineering via scholarship interviews, blog posts, podcasts, and on-campus event coordination.

AWARDS AND HONORS

Stanford TreeHacks 2018: 1st Place (Energy Vertical) — *February 2018*
Presidential Scholar (Half-Tuition Merit Scholarship, Top 2-3% of Class) — *August 2015 – Present*
Viterbi Engineering Undergraduate Fellow (Top 5% of Class) — *August 2015 – Present*