ANKUR RASTOGI

ankurrastogi.me • github.com/arastogi15 • linkedin.com/in/ankur-rastogi
(847) 343-1161 • ank.rastogi15@gmail.com • 2814 Harrison St, San Francisco 94110

EDUCATION

University of Southern California — Los Angeles, CA
Viterbi School of Engineering — Graduation: May 2019
B.S. in Computer Science, *Magna Cum Laude* — GPA: 3.75
Presidential Scholar (top 2-3% of class)

PROFESSIONAL EXPERIENCE

23andMe | *Software Engineer* — *July 2019 – Present*
- 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

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.
- Collaborated with research and product to access changes to and update the public site

ESRI | *Software Engineering Intern* — *May 2017 – August 2017*
- Decrease ArcGIS Pro 2.1 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 the article site.
- Built a Python (Flask) backend to extract and geolocate state, city, and regional information

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.

Tech.LA Fellowship Program | *Co-Founder; Director, Advisor* — *August 2016 – Present*
- 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.
- Coordinated a team of 7 students to organize a series of summer events featuring technology companies, venture capitalists, and incubators in the greater LA community.

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):
- *Spark XM***:** Hosted a podcast focused on entrepreneurship and student innovation featuring Thiel Fellows, USC student founders, and other entrepreneurs.
- *Startup Career Fair:* Organized 5 distinct Startup Career Fairs (each with 800+ students, 20+ LA-based companies) to connect companies with USC students.

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*