

ANKUR RASTOGI

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EDUCATION

University of Southern California

Viterbi School of Engineering

B.S. in Computer Science, *Magna Cum Laude*

Presidential Scholar (top 2-3% of class)

Los Angeles, CA

Graduation: May 2019

GPA: 3.75

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