ANKUR RASTOGI

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EDUCATION

University of Southern California   Los Angeles, CA
Viterbi School of Engineering   Graduation: May 2019
B.S. in Biomedical Engineering, Minor in Computer Science   GPA: 3.75
Selected Coursework: *Artificial Intelligence, Computer Systems, Robotics, Algorithms*
Programming Languages: *C++ (Experienced), Python, JavaScript, HTML, CSS*

PROFESSIONAL EXPERIENCE

ESRI | *Software Engineering Intern*   *May 2017 – August 2017*
- Interned on the Map Authoring team to decrease startup times for ArcGIS Pro 2.1 by restructuring core code to implement multi-threaded, on-demand map loading from all project files.
- Developed in C++ and built unit tests using the Visual Studio Unit Testing Framework.
- **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.
- Designed and implemented backend using Flask (Python) to process article text, extract location information, and return relevant data using JSON.

USC Kuhn/Hicks Lab | *Undergraduate Research Fellow*   *January 2018 – Present*
- Collaborating 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. Revising existing Markov models and building new models, primarily in Python and C++.
- Working with novel multi-omics datasets in conjunction with Novartis to build deep learning models to map disease and treatment patterns in breast cancer.

Viterbi School of Engineering | *Course Producer*   *August 2017 – Present*
- Serving as an undergraduate teaching assistant for CSCI 103: Introduction to Programming, covering functions, input/output, arrays, recursion, dynamic memory, object-oriented programming, and several data structures. Grading assignments and holding weekly office hours.

EXTRACURRICULARS AND PROJECTS

Tech.LA Fellowship Program | *Co-Founder; Director*   *August 2016 – Present*
- Co-founded an LA-based 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.

Spark SC | *Director of Special Projects; Core Team*   *January 2016 – Present*
- 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: Energy Vertical 1ˢᵗ Place   *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*