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: Computer Systems; Algorithms; Artificial Intelligence; Data Structures; Discrete Math
Programming Languages: C++ (Experienced), Python, Java, HTML, CSS

PROFESSIONAL EXPERIENCE

USC KUHN/HICKS LAB   Los Angeles, CA
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++.

VITERBI SCHOOL OF ENGINEERING   Los Angeles, CA
Course Producer: CSCI 103   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.

ESRI   Redlands, CA
Software Engineering Intern   May 2017 – August 2017
- Interned on the Map Authoring team to increase 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.

EXTRACURRICULARS

TECHLA FELLOWSHIP PROGRAM   August 2016 – Present
Co-Founder; Director
- Co-founded an LA-based technology internship program (http://tech.la) bringing together 8 undergraduate students from Stanford, Brown, USC, and RIT, 6 startups, and 3 venture capital firms in Los Angeles.
- 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   January 2016 – Present
Director of Special Projects; Core Team
- Worked on the following projects in USC's premier student innovation group (sparksc.org):
- **Startup Career Fair:** Organized the Spring and Fall 2016 Startup Career Fairs (800+ students, 20+ LA-based companies) to connect companies with USC students.
- **Unite Conference:** Conceptualized a three-day summer conference that brought together entrepreneurial groups from USC, UCLA, Stanford, Georgia Tech, U Michigan, and Princeton for the first time to collaborate on nationwide initiatives.

VITERBI SCHOOL OF ENGINEERING   May 2016 – May 2017
Viterbi Student Ambassador
- 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 SKILLS

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
TreeHacks 2018: Energy Vertical Grand Prize (1st place at Stanford Hackathon) February 2018