

# ANKUR RASTOGI

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## EDUCATION

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UNIVERSITY OF SOUTHERN CALIFORNIA  
Viterbi School of Engineering

Los Angeles, CA  
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

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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 1<sup>st</sup> 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

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.

## EXTRACURRICULARS

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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

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**TreeHacks 2018: Energy Vertical Grand Prize** (1<sup>st</sup> place at Stanford Hackathon)

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