

ANKUR RASTOGI

www.linkedin.com/in/ankur-rastogi • www.github.com/arastogi15
2802 Ellendale Pl, Los Angeles, CA 90007 • (847) 343-1161 • ankurras@usc.edu

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: Algorithms; Data Structures; Discrete Math; Biomedical Simulations Methods

PROFESSIONAL EXPERIENCE

ESRI

Redlands, CA

Software Engineering Intern

May 2017 – August 2017

- Working 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. Developing in C++ and building unit tests using the Visual Studio Unit Testing Framework.
- Revamped C++ code generator to produce markdown documentation for JSON specifications across the company.

USC LABORATORY FOR NEURAL COMPUTATION

Los Angeles, CA

Undergraduate Research Fellow

September 2016 – May 2017

- Collaborated with Dr. Bartlett Mel to model Hopfield networks in C++ and analyze their performance across various pattern loads and densities. Reported behavior for future paper use.

EXTRACURRICULARS

TECHLA FELLOWSHIP PROGRAM

August 2016 – Present

Co-Founder; Director

- Co-founded a technology fellowship program 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 9 students to organize a series of summer events featuring technology companies, venture capitalists, and incubators in the greater LA community (see fellows.tech.la)

HACK SC

January 2017 – Present

Co-Head of Logistics; Core Team

- Collaborated in a team of 7 to orchestrate Hack SC, USC's largest annual hackathon (800+ students)
- Worked to design a thematic core of hacks that work to resolve racial, social, economic inequalities.

SPARK SC

January 2016 – Present

Director of Special Projects; Core Team

- Worked on the following projects as part of USC's premier student innovation group:
- **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.

TREE HACKS

February 2017

Hacker

- Built app backend using Flask (Python) and SQLAlchemy to transfer JSON-formatted text and image data to iOS frontend and live demoed at the end of the hackathon.
- Collaborated in a team of two to build an app that allowed for micro-donations to pet shelters.

AWARDS AND SKILLS

Programming Languages: C++, Java, Python, HTML, CSS

Present

Trilingual Language Proficiency: English (Native), Hindi (Native), French (Proficient)

Present

Presidential Scholar (Half-Tuition Merit Scholarship)

August 2015 – Present

Viterbi Engineering Undergraduate Fellow (Top 5% of Class)

August 2015 – Present

Viterbi Student Ambassador

May 2016 – May 2017

American Invitational Mathematics Exam Qualifier (Top 2.04% Globally)

April 2014