**Kartik Mathur**  
Phone: (213)421-6370   
Website: <https://kartikmat.github.io/>  
Linkedin: <https://goo.gl/te5L6j>  
Email: [kmathur@usc.edu](mailto:kmathur@usc.edu)  
**EDUCATION-  
University of Southern California,** Viterbi School of Engineering**,** Los Angeles, CA Graduation: Fall 2020Bachelor of Science- Computer Science/Business Administration. GPA: 3.35 **WORK EXPERIENCE  
The Fastah Project- Software Engineer Intern Summer 2017**

* Fastah is a service that specializes in measuring latency and internet speed data.
* Raised mobile network awareness to fuel the growth of the ride sharing market in India.
* Gained further knowledge and training in JavaScript, CSS, HTML and working in a Linux environment.
* Designed a twitter bot, using the Twitter API, to broadcast live internet weather.

**USC Security and Political Economy Lab- Data Analyst -Current**

* The Lab creates data sets to help in the research of global economic phenomena.
* Cleaned and merged various data sets.
* Managed the current data resource and gained experience in data analysis.
* Gained further knowledge and training in Rscript.

**Marshall School of Business USC- Research Assistant Spring 2017**

* Analyzed and acquired data from over 200 subjects.
* Gained valuable insight into higher management practices and theories.
* Collaborated with Professors and Doctorates and delivered concise and valuable reports on acquired data.

**Teacher’s Assistant- Data Science and Operations- USC Fall 2017-Spring 2018**

* Helped designed the course, construct tests, prepare materials and grade assignments.
* Gained further understanding of optimization techniques in Python.
* Learned more about Master's level curriculum.

**PROJECTS**

* Trade Policy Research Project- Analyzing the prevalence of trade since the 2008-2009 financial crisis. Heavy usage of R, Excel and visualization tools.
* Avatar Simulator**: -** Hacked and manipulated the Microsoft Kinect sensor to create interactive and personalized displays.Collaborated with a team of Undergraduate and Graduate students.
* Data Spider: - Currently developing a data collection spider that can navigate online databases to create datasets. Intense use of Python and foreign scraping libraries.

**TECHNICAL SKILLS**

* Languages: C++, Python, R-script, HTML, JavaScript, CSS.
* Bilingual- fluency (Speaking, Reading, Writing) in English, Hindi elementary knowledge of French
* Familiarity with various operating systems Windows, UNIX.

**STUDENT INVOLVEMENT  
Project Manager- USC Aerial Robotics-**

* Reached out to create and maintain relationships with our sponsors.
* Utilized Microsoft Excel to manage the club’s finances.

**Head of Finance- USC Society of Asian Scientists and Engineers-**

* Organized events and awareness activities for the support of Asian internationals at USC.
* Worked to promote an overall acceptance of foreign students by holding cultural and professional events.

**RELEVANT COURSEWORK  
CSCI-104:** Data Structures and Object-Oriented Programming (C++)- Understanding of data structures, implementation, usage **CSCI-201-** Principles of Software Development(Java)-writing sophisticated concurrent applications with animation and GUI’s