**Kartik Mathur**  
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**EDUCATION  
University of Southern California,** Viterbi School of Engineering**,** Los Angeles, CA Graduation: December 2020Master of Science - Computer Science

**University of Southern California,** Viterbi School of Engineering**,** Los Angeles, CA GPA: 3.4Bachelor of Science - Computer Science & Business Administration.  **WORK EXPERIENCE****Google LLC June 2019 -August 2019***Technical Solutions Consultant Intern*

* Worked closely with Product Managers and Engineers to develop new Google tools and improve internal workflow.
* Designed a tool to automate the analysis of support interactions for products under Google Ads.
* Built a new workflow to decrease the number of miscategorized support tickets by up to 30%.
* Gained technical knowledge of Google Appengine, Python Flask, Front-End development and SQL.

**InstaSafe Technologies Private Limited**  **June 2018 -August 2018***Software Engineering Intern*

* Worked for Instasafe a cloud delivered cybersecurity service, on their website and their consumer data analytics.
* Analyzed and visualized security data and helped customers understand the security and accessibility of their applications.
* Designed a force graph that shows customers where a serious threat can emerge from.
* Trained in Java, PHP and Python.

**USC Data Science and Operations January 2018-May 2018***Teacher’s Assistant*

* Conducted and designed course, created tests, prepared materials, graded and assisted students with assignments.
* Achieved further learning of optimization techniques in Python and understood usage of data in decision making.
* Collaborated with Graduate and PhD students in a workplace setting.

**TECHNICAL PROJECTS  
Facebook Help Center Fall 2018**

* Collaborated with Facebook to research market penetration and mobile use in developing countries.
* Analyzed data from over 30 academic databases to discern key UI/UX solutions for better communication.
* Presented our solutions and recommendations to Facebook researchers and developers.

**RuneScape Investment Platform Summer 2019**

* Created an online portfolio to keep track of investments in the RuneScape virtual market.
* Implemented NumPy and statistical modelling to give relevant metadata to user.
* Learned more about Python Flask, SQL and Heroku deployment.

**Caption Searcher Summer 2018**

* Developed an application like Shazam for YouTube, which filters user searches to only 50 videos at a time.
* Empowered users with the ability to search for videos without the need for a title or description.
* Learned about HTTP, and advanced JavaScript techniques.

**Uber Forums Web Scraping Spring 2019**

* Developed a Web scraper to gather conversation data from the Uber Driver forums.
* Formatted data to be readable for sentiment analysis and usable in academic publications.

**SKILLS & INTERESTSProgramming Languages:** Python**,** Java, C, C++, SQL, Unix, Linux  
**Web Technologies:** HTML, CSS, JavaScript and HTTP, Flask, Google Cloud Platform