

Kartik Mathur

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EDUCATION

University of Southern California, Viterbi School of Engineering

Master of Science - Computer Science

May 2020-May 2021

Bachelor of Science - Computer Science & Business Administration

GPA: 3.65

SKILLS

Programming Languages: Python, R, C, C++, Java, SQL, Linux

Web Technologies: HTML, CSS, JavaScript, Flask, Google Cloud Platform, Tableau, Looker, Big Query

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Artificial Intelligence, Machine Learning

WORK EXPERIENCE

Mailchimp

May 2020-August 2020

Product Analyst Intern

- Collaborated with a product team to help identify opportunities, assess potential business impact, and define success metrics.
- Built data dashboards using Looker to present insights and visualize product domain key performance indicators.
- Developed presentations to communicate findings, results, and impact on projects to the product team and stakeholders.
- Performed experiments by using the A/B testing methodology to understand and act on user behavior.
- Deepened knowledge of analytics tools SQL, Google Analytics and Python.

Google

May 2019-August 2019

Technical Solutions Consultant Intern

- Worked with the Products, Tools and Operations team to improve misclassification rate on support interactions.
- Created a tool to examine support tickets while simultaneously generating better classifications data.
- Interviewed and gathered user requirements from managers and engineers across different departments.
- Built a new workflow to decrease number of wrongfully classified support tickets by up to 30%.
- Learned more about development in Python Flask, Google App Engine and Google Cloud Platform.

Instasafe Technologies

June 2018-August 2018

Software Engineering Intern

- Led a project for Instasafe a cloud delivered cybersecurity service to help on their website and consumer data analytics.
- Analyzed and visualized security data and helped customers interpret security and accessibility of their applications.
- Developed an algorithm using pattern recognition heuristics and user interface design to identify security threats
- Collaborated with Data Scientists and Product Managers to frame a mathematical problem within a business context.
- Trained in Java, PHP and Python.

University of Southern California

January 2018-May 2018

Teaching Assistant

- Supervised a class of 40 – 50 students and graded assignments for Operating Systems and Python courses.
- Mentored students to conduct data-driven analysis to identify industry performance trends and investment opportunities
- Gained experience xv6 OS, C, PyTorch and Natural Language Processing techniques.

PROJECTS

USC SPEC Lab - Facebook Help Center

October 2018–May 2019

Data Analyst

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

Medical Resume Database – Children’s Hospital of Los Angeles

August 2019–May 2020

Software Developer

- Developed a web application to update and create medical CV’s with easier access to scientific publications.
- Designed a publications search tool to easily add and remove publications with consistent formatting.
- Learned more about Python Flask, Angular and Heroku deployment.

ACTIVITIES

USC Aerial Robotics, USC Scope, Spark SC, Society of Asian Scientists and Engineers, USC Soccer