Arjun Srinivasan

Software Engineer

PROFESSIONAL EXPERIENCE

CONTACT

**Data Engineer – TrueCar**

*Nov. 2020 – Present*

* Developed new pipeline that facilitated the processing of thousands of new records per day for Ford and Acura vehicles.
* Optimized algorithm for processing new car data, reducing overall execution time by 20%

**Backend Software Engineer – Deliverr.com**

*Mar. – Sept. 2020*

* Reduced cost of orders by 25% implementing a solution that allowed for groups of orders to have lower on time delivery targets based on where the order originated.
* Lowered inventory receiving errors by 15% by developing an API that made critical information on shipping labels more visible.

**Software Engineering Intern – Samsung Austin R&D Center**

*Jun. – Aug. 2019*

* Reduced load times for user programs by 30% through development of custom server-side caching algorithms using predictive caching.
* Developed solution for user design & creation of personalized analytics dashboards based on Jupyter Python Notebooks.

**Software Engineering Intern – People Data Labs**

*May. – Nov. 2018*

* Improved customer API performance by 40% by developing workload management programs that more efficiently balanced workloads across multiple servers.
* Reduced API query response times by 20% by developing algorithms that implemented the most efficient query execution pathways



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EDUCATION

Bachelor of Arts - Computer Science

University of California - Berkeley  
2016 - 2019

KEY LANGUAGES

KEY TOOLS/LIBRARIES

PERSONAL PROJECTS

* Developed an interactive Alexa Skill that tests users' knowledge of trivia and learned topic preferences
  + Skill was recognized by Amazon as a top performing app in the Alexa Skills Store.
* Implemented a [WebGL fluid simulator](https://arjunsrinivasan1997.github.io/html/simDemo.html) based on Navier-Stokes equations that allowed users to control density and velocity of the fluid
* Numpy
* Pandas
* Spark
* OpenMP
* HBase
* Node
* React
* PyTorch
* TensorFlow
* Hadoop

HTML/ CSS

C / C++

JavaScript

Java

SQL

Python