

Arjun Srinivasan
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Education – B.A Computer Science (University of California, Berkeley) - Dec 2019

Programming Languages – C++, C, Java, Python, JavaScript, SQL, HTML/CSS

Tools/Libraries – AWS, React, Keras, PyTorch, TensorFlow, Numpy, Pandas, Spark, OpenMP

Relevant Coursework

CS 189 – Machine Learning	CS 188 – Artificial Intelligence
CS 182 – Deep Neural Networks	CS 170 – Algorithms and Intractable Problems
CS 161 – Computer Security	CS 184 – Computer Graphics

Work Experience

Samsung Austin R&D – Software Engineering Intern (Python, C, SQL) Jun – Aug 2019

- Reduced load times for users by 30% through the development of a server-side caching algorithms that utilized predictive caching for faster response times
- Developed solution for user creation of personalized analytics widgets based on Jupyter Python Notebooks, allowing each user to customize and save their dashboards.

People Data Labs – Software Engineering Intern (Python, C) May – Nov 2018

- Implemented neural network solutions to find hidden insights in customer data & identify trends in large data sets
- Improved API performance by 40% by developing workload management programs that balanced workloads across multiple servers.
- Reduced API response time by 20% by developing algorithms that evaluated the most efficient way to execute a query

Amazon Alexa – Skills Developer (JavaScript, SQL) Aug 2017 - Present

- Developed an interactive game that tests users' knowledge of sports trivia.
- Recognized by Amazon as a top performing app in the Alexa Skills Store.

Lockheed Martin – Software Engineering Intern (Python, VBA) June-Aug 2016/17

- Developed a multi-layered neural network (@ 80% accuracy) that analyzed cable drawings and parts lists to estimate manufacturing cost of cables.

Coursework Programming (C, C++, JavaScript, Python)

- Developed neural networks to solve problems for digit classification, language identification, and regression equations.
- Implemented a WebGL fluid simulator based on Navier-Stokes equations that allowed users to control density and velocity of the fluid.