

Arjun Srinivasan
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Education – B.A Computer Science (University of California, Berkeley) - May 2020

Programming Languages – C++, C, Java, Python, JavaScript, SQL

Relevant Coursework

CS 189 – Machine Learning
CS 186 – Database Systems

CS 188 – Artificial Intelligence
CS 170 – Algorithms and Intractable Problems

Work Experience

Cuddle Cub - Chief Technology Officer (Python, C++, Firebase, SQL) Sept 2016-Present
Startup developing a toy teddy bear product for children to help cultivate consistent sleep patterns in children and assist parents in monitoring their child's sleep patterns

- Built an Arduinos based hardware product and released Minimum Viable Product (MVP). Iterated design & released additional versions based on feedback from parents & customers
- Developed software that handled Bluetooth reception and transmission, sensor input analysis, and database connectivity for Firebase from the iOS app
- Developed & implemented algorithm that parses accelerometer data to calculate child's sleep duration

People Data Labs – Software Engineering Intern (Python, C) May 2018-Present
Data analytics company focused on providing customers with enriched high volume data from public data sources and generation of targeted data sets

- Built server management programs to load-balance workloads across multiple servers in the data center based on CPU loads, workload priority, and number of databases to search.
- Implemented neural network solutions to find insights in collected data to help customers identify trends in large data sets
- Developed solutions for parsing & indexing new data to enable search via REST APIs

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

- Built an Amazon Alexa interactive game that tests users' knowledge of sports trivia
- This skill was rated as one of the top performing skills on the Alexa Skills Store in August 2017

Lockheed Martin – Software Engineering Intern (Python, VBA) June-Aug 2016/2017

- Developed a multi-layered neural network (80% accuracy) that analyzed cable drawings, and associated parts list to determine manufacturing cost of cables
- Developed VBA solution that generates manufacturing schedules for automation that improved manufacturing efficiency by 10%