**Education** – B.A Computer Science (University of California, Berkeley) - *Dec 2019* **Programming Languages** – C++, C, Java, Python, JavaScript, SQL, HTML/CSS

**Tools/Libraries** – TypeScript, Node, 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**

**Deliverr – Backend Engineer (Node, TypeScript, Python, SQL)** *Mar – Oct. 2020*

* Implemented solution that allowed for groups of orders to have specific on time delivery targets, reducing the cost of certain orders by 25%.
* Developed solution to make critical information on shipping labels more visible, reducing receiving errors at warehouses by 15%

**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.