Bharat Srirangam

US Citizen
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EDUCATION

Georgia Institute of Technology   **May 2020**
Bachelor of Science in Computer Science   *Atlanta, GA*
Threads: Intelligence, Theory   **GPA: 3.97/4.0**

Coursework: ▸ Probability/Statistics ▸ Advanced Linear Algebra ▸ Machine Learning ▸ Natural Language ▸ (Graduate) Computer Vision ▸ Honors Advanced Algorithms (1 & 2) ▸ Data Structures

EXPERIENCE

Woot.com Inc. *(Woot Services)* - an Amazon Company   **Seattle, WA**
Software Development Engineer I   *May 2019 – August 2019 (Intern) | May 2020 - Present*

I design, build, and maintain all Fulfillment and Order based web services on Woot.com. This effectively covers everything that happens between the buy button on our website to a package arriving at the customer's door.

- Created automated benefits that could provide savings for potentially every customer of Woot (∼9 million customers)
- Developed an automated End to End Serverless benefits service with Native AWS technologies in a .NET environment
- Designed/Implemented RestfulAPI endpoints in legacy/modern services that provide a foundation for future work
- Acquired strong technical communication skills and a business acumen from weekly design reviews and retrospectives

GT Healthcare Robotics Lab*(Institute for Robotics and Intelligent Machines)*   **Atlanta, GA**
Machine Learning Research Assistant   *December 2017 – May 2020*

- Researching a way to develop complete training data sets for supervised deep learning algorithms through GANs
- Experimented with manipulation and measurement of different objects through PR2 robot scene segmentation
- Published a paper, "Multimodal Material Classification for Robots Using Spectroscopy and High Resolution Texture Imaging", at the International Conference on Intelligent Robots and Systems (IROS)

GT College of Computing: *Computer Organization and Programming TA*   **Atlanta, GA**
Senior Teaching Assistant/Quiz Master for CS2110   *August 2018 – January 2020*

- Prepared lesson plans and Led recitations for 75+ students and Conducted office hours for all 200+ students
- Designed and Produced all Quizzes (40% of Final Grade) and 2 of 11 assignments (10% of Final Grade) and Organized Quiz and Assignment grading for all 225+ students
- Created a C (Programming Language) Overview Guide that is used every semester to prepare for the Final Exam

Amazon.com Inc. *(Big Data Technologies)*   **Seattle, WA**
Software Development Engineering Intern   *May 2018 – August 2018*

- Built a service that set preferences on internal data searches, reduced search latency, and improved user experience
- Created an End to End Serverless solution in Native AWS with a RestfulAPI to reduce the search time for users
- Analyzed API request logs with the Hierarchal Clustering/OPTICS clustering algorithms to predict user behavior

SKILLS

Languages   **(Proficient)**: Java, C, Python | **(Knowledgeable)**: C#, SQL, HTML, Matlab, R, JavaScript
DevTools   Native AWS Suite, JUnit/Mockito, .NET, Tensorflow/Keras, GSON, Pandas, SciPy, RestAPIs

CLASS PROJECTS/HACKATHONS/EXTRACURRICULAR PROJECTS

[Hackathon Project] HackGT5: LocationScores   *October 2018*

LocationScores is a consulting application that won 1st place for the "Best Use of ESRI's API" at GT's 5th Hackathon.
- Correlated wealth distribution, employment rate, etc. with store performances to find new optimal store locations
- Developed an Tensorflow/Keras neural network to predict the performance of a store based on demographic data

[Personal Project] FBMessengerEngine: Local Application   *August 2019*

This Facebook Messenger Engine, Insight, does basic analytics on the chats of your Facebook account. If you've ever struggled to gather specific information on your chats, now that process is made easier with my application.
- Analyzes FB chat history to get information such as message count, conversation count, and specific mentions
- Conducted NLP Topic Analysis on conversations to create topic lists using Libraries such as gensim and nltk