

# Bharat Srirangam

## EDUCATION

US Citizen

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### Georgia Institute of Technology

*Bachelor of Science in Computer Science*

Threads: Intelligence, Theory

May 2020

Atlanta, GA

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

### Amazon Web Services (*Training and Certification*)

*Software Development Engineer II*

Seattle, WA

March 2022 – Present

- Support for the TC Away Team to implement/design High Priority Initiatives across the entire organization
- Designed/Created End to End Serverless solutions in AWS for a new Payment Platform in Training and Certification
- Coordinated/Communicated among several sub initiatives/teams across AWS for the new payment platform overhaul

### Woot.com Inc. (*Woot Services*) - an Amazon Company

*Software Development Engineer I*

May 2019 – August 2019 (Intern) | May 2020 - March 2022

Seattle, WA

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*)

*Machine Learning Research Assistant*

Atlanta, GA

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*

*Senior Teaching Assistant/Quiz Master for CS2110*

Atlanta, GA

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

## SKILLS

**Languages (Proficient):** Java, C, Python, C#, JavaScript | **(Knowledgeable):** SQL, HTML, Matlab, R  
**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