Talia Chopra

Mountain View, California 94040 • (831) 332-2819 • tchopra9@gatech.edu • LinkedIn.com/in/telesser

EDUCATIONAL BACKGROUND

Master of Science in Computer Science, Concentration in Machine Learning, Jan 2019 – July 2022 (Expected)

Georgia Institute of Technology (4.0 GPA) – Remote, Part Time

***Key Coursework*:** AI for Robotics, Knowledge Based AI, Intro to Operating Systems, Machine Learning for Trading

Project Highlights:

- Using Python, solved visual tests of human intelligence with over 90% accuracy (modified Raven Progressive Matrices tests) using semantic networks and the Python Pillow library for image processing.
- Created a multithreaded program in C and C++ to allow for concurrent file retrieval server requests and downloads using multi-threading, locks, synchronization and gRPCs.
- Solved non-linear autonomous vehicle localization problems by implementing Sequential Monte Carlo methods in Python to predict the posterior distribution of a system.
- Designed and implemented an experiment to compare random forest and decision tree forest ensemble learner accuracy and performance.

Computer Science Coursework 2017 – 2018

Foothill College (4.0 GPA)

***Key Coursework*:** Object Oriented Programming in C++, Advanced Data Structures and Algorithms in C++, Linux Shell Programming, Software Design in C++.

Project Highlights:

- Used object oriented programming and a trie data structure (also referred as a prefix tree) to implement a "word-smith game". Presented the game and the underlying theory of the trie data structure at the Foothill College 2018 STEM showcase.

Bachelor of Arts in Economics, Minor in Mathematics 2012 – 2016

University of California, Santa Cruz ● Summa Cum Laude, Highest Honors (3.97 GPA)

Key Coursework: Multivariable Calculus, Linear Algebra, Statistics, Real Analysis, Computational Methods and Applications in MATLAB

WORK EXPERIENCE

AI/ML Programmer Writer, October 2019 - Present

Amazon Web Service (AWS) at Amazon, Inc.

Responsibilities and Achievements:

- Create code examples, Jupyter Notebooks, and documentation to help customers use Amazon SageMaker machine learning services. Reduced bounce rate on key documentation pages for core Amazon SageMaker services by over 30%.
- Co-authored the following blog posts on the AWS Machine Learning blog: [Blog 1] [Blog 2] [Blog 3].

CORE TECHNOLOGIES

Programming Languages:	Python, C++, C, SQL, MATLAB, HTML, CSS, XML
Machine Learning Frameworks and Tools:	MxNet, Fastai, Amazon SageMaker, Amazon Augmented AI, SciPy, Pandas
OSs and SE Tools:	Linux, Unix, Docker Containers, AWS, Git, Agile Development Principles