

# ANISH THITE

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**Objective:** Seeking Spring 2020 or Summer 2020 positions. Interested in Machine Learning

## EDUCATION

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### Georgia Institute of Technology, Atlanta GA

*Expected May 2021*

B.S. in Computer Science (Intelligence and Devices threads)

External Relations Officer (President) of The Agency (AI/ML club), teach NLP to undergraduates

Overall GPA: 3.67/4.00

## SKILLS

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**Languages** Python, Java, C, C++, Scala, Bash, Javascript, HTML, CSS

**Tools/OS** Git, AWS, GCP, Firebase, Docker, Linux, Windows

**Frameworks** Flask, Django, PyTorch, TensorFlow, Numpy, Pandas

## EXPERIENCE

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### NLP and Computational Social Science Lab:

November 2019 - Present

*Student Researcher*

*Atlanta, GA*

- Working under Dr. Diyi Yang on neural humor generation using transformer architectures

### High-Performance Architecture Lab

August 2019 - December 2019

*Student Researcher*

*Atlanta, GA*

- Researching in enabling IoT devices and robots to perform deep learning tasks on edge
- Incorporating speech recognition and conversation models on Raspberry Pis

### Automated Algorithm Design Vertically Integrated Project:

January 2019 - Present

*Student Researcher*

*Atlanta, GA*

- Working under Dr. Greg Rohling and Dr. Jason Zutty to use genetic algorithms to optimize algorithms and outperform existing methods. Currently involved in evolving neural network topology and weights.

### Subway Franchise World HQ:

June 2017 - August 2017

*Technology Department Intern*

*Milford, CT*

- Wrote web interface to control POS-testing robots through a small touchscreen device
- Automated setup scripts for the robot's Raspberry Pi Apache servers. (Python and Bash)

## PROJECTS

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### Marc: A Transformer-based Autonomous Highlighting Web App:

July 2019 - Present

- Created a transformer-based (BERT) Deep Learning model to perform extractive summarization and automatically highlight the important elements of a given document
- Built a REST API and ReactJS frontend to interact with model, deployed to AWS

### ATHENA (A Talkative Hip Extremely Nit-picky Assistant):

April 2019 - Present

- Fine-tuned a transformer-based language model (GPT-2) on conversations in order to create a conversational agent, with the intention of eventually improving it to be a personal assistant
- Currently working on improving response time and coherence in multiple-utterance conversations

### FinPal: Automatic Risk Assessment and Portfolio Allocation: October 2019 - October 2019

- Developed chatbot using DialogFlow that infers client's risk and accordingly allocates portfolio. Also performs automatic portfolio re-balancing based on market volatility