

# ANISH THITE

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**Objective:** Seeking Fall '20, Winter '21 or Spring '21 positions in Software Engineering or 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: 3.78/4.00

## SKILLS

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<b>Languages</b>	Python, Java, Rust, C, C++, Scala, Bash, JS, R
<b>Tools/OS</b>	Git, AWS, GCP, Firebase, Docker, Linux, Windows, SQL, Slurm, CUDA
<b>Frameworks</b>	Flask, Django, React, PyTorch, TensorFlow, Numpy, Pandas

## EXPERIENCE

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### Georgia Tech Research Institute

May 2020 -Present

*Research Intern*

*Atlanta, GA*

- Working under Dr. Greg Rohling and Dr. Jason Zutty to use genetic algorithms to optimize algorithms and outperform existing methods using the GTRI Evolutionary Auto-ML Framework
- Expanding the library to allow for evolving neural network topology and weights using the Keras API. Also enabled efficient multi-GPU utilization

### 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*

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

### 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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### 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
- Set up bare-metal server in my garage and deployed Flask back-end to it
- Created React front end deployed to GitHub pages
- Located at <https://pal-ai.github.io/chat>

### AiLight: 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 using OCR
- Built a REST API and ReactJS frontend to interact with model, deployed to GitHub Pages
- Set up bare-metal server in my garage and deployed Flask back-end with model to it
- Located at <https://anishthite.github.io/ailight>