

# ANISH THITE

anishthite@gmail.com · (203) · 909 · 9118 · anishthite.github.io

**Objective:** Seeking Spring or Summer '21 positions in Software Engineering or Machine Learning.

## EDUCATION

### Georgia Institute of Technology, Atlanta GA

*Expected May 2022*

M.S. in Computer Science (Intelligence and Devices threads) B.S. expected May 2021

Overall GPA: 3.74/4.00 Major GPA: 4.00/4.00

## SKILLS

<b>Languages</b>	Python, Java, Rust, C, Scala, Bash, JS,
<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

### The Agency (AI/ML Club)

January 2020 - Present

*External Relations Officer (President)*

*Atlanta, GA*

- Sys admin for club server, lecture on NLP topics, coordinate guest lecturers, and advise project groups

### EleutherAI

July 2020 - Present

*Researcher/Software Engineer*

*Atlanta, GA*

- Contributed to **replicate and open-source GPT-3 weights**, wrote open-source codebase for language model evaluation
- Working on **HTML + PDF text extraction** and filtering to make The Pile, one of the world's largest test datasets
- Efficiently scraped, filtered, and parsed entire Hacker News (6.1 Gb) for language model training

### Georgia Tech Research Institute

January 2019 -Present

*Machine Learning Intern*

*Atlanta, GA*

- **Using genetic programming to evolve machine learning models** with the GTRI Evolutionary Auto-ML Framework
- Expanding the library to perform neural network architecture search (using **Python, MySQL, Scikit-learn, Keras, Tensorflow**)
- **Out-performed Google Auto-ML** on the Wikidetox toxic comment classification dataset

### NLP and Computational Social Science Lab:

November 2019 - Present

*Student Researcher*

*Atlanta, GA*

- Working under Dr. Diyi Yang on keyword-based **neural humor generation** and classification using **transformers**
- Further study includes analyzing effects of humor on mental health and the COVID pandemic.

### GT Hacker Home

June 2020

- Created + deployed **reddit-like forum** with **Svelte.js** Frontend and **MySQL + Rust** (Rocket framework) back-end for GT students to discuss side projects
- **Try it:** <https://gthackerhome.github.io/>

### AiLight: Autonomous Highlighting Web App

July 2019 - March 2020

- Used **BERT** (Deep Learning model) for **extractive summarization** and **automatically highlight** the important elements of a given document using **OCR** libraries
- Built a **REST API** and **React** frontend to interact with model, deployed to **GitHub Pages**
- **Try it:** <https://anishthite.github.io/ailight>

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

April 2019 - January 2020

- Fine-tuned **GPT-2** on conversations in order to create a **conversational agent**, intend to create a personal assistant
- Set up **Linux** server in garage and deployed **Flask** back-end to it (using **Supervisord + gunicorn**)
- **Try it:** <https://pal-ai.github.io/chat>