

# ANISH THITE

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

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

## Experience in Machine Learning and Full Stack Development

## EDUCATION

Georgia Institute of Technology, Atlanta GA

Expected May 2021

B.S. in Computer Science (Intelligence and Devices threads) MS CS Beginning Fall 2021

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

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

Georgia Tech Research Institute

January 2019 -Present

Research Intern (Machine Learning)

Atlanta, GA

- **Using genetic programming to evolve machine learning models** using the GTRI Evolutionary Auto-ML Framework under Dr. Greg Rohling and Dr. Jason Zutty
- Expanding the library to perform **neural network architecture search** (using **Python, MySQL, Scikit-learn, Keras, Tensorflow**)
- Enabled efficient **multi-GPU utilization** for the framework to evolve **RNNs, LSTMs, CNNs**, and utilize pre-trained weight initializers
- **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 **neural humor generation** using **transformer architectures**

## PROJECTS

EleutherAI GPT-3 Replication

July 2020 - Present

- Contributing to open-source project to **replicate and open-source GPT-3 weights**
- Working on **HTML + PDF text extraction** and filtering to make the 400GB text dataset for the model

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**
- Deployed **Flask** back-end with model to **Linux** server
- 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 improve it to be a personal assistant
- Set up **Linux** server in garage and deployed **Flask** back-end to it (using **Supervisord + gunicorn**)
- Created **React** front end deployed to **GitHub Pages**
- Try it: <https://pal-ai.github.io/chat>