

ANISH THITE

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

EDUCATION

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

Languages	Python, Java, R, C, C++, Scala, Bash, JS, HTML, CSS
Tools/OS	Git, AWS, GCP, Firebase, Docker, Linux, Windows
Frameworks	Flask, Django, React, PyTorch, TensorFlow, Numpy, Pandas

EXPERIENCE

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

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

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
- Deployed to AWS as well as a local server
- Located at <https://pal-ai.github.io/chat>

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

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

Football Gametime Analytics Program:

June 2017 - November 2017

- Developed Python GUI program for Notre Dame HS coaches that recommends which plays to run using frequentist statistics