Irene C. Lee

irene.lee.prof@gmail.com   Atlanta, GA
github.com/irenelee5645 ❖ linkedin.com/in/ireneleec/

EDUCATION

Georgia Institute of Technology   **May, 2023**

Bachelor of Science, Computer Science   *Atlanta, GA*

Honors Program   GPA: 4.0

- Concentration in Intelligence and Modeling & Simulations.

EXPERIENCE

Research Intern   **Summer 2020 - Present**

Low Level Optimization for Deep Learning   *Seoul National University*

- Analyze low level processes involved in training deep learning models in order to develop a platform with which training process can be optimized/faster. Current research may be applied to distributed systems as well.

Teaching Assistant   **Summer 2020**

CS 1332 - Data Structures and Algorithms   *Georgia Tech*

- Worked as Teaching Assistant for Georgia Tech's CS 1332 Data Structures and Algorithms course. The class covers basic data structures including queue, stack, tree, and heap, and also algorithms related to graph and dynamic programming.

SKILLS

- **Programming :** C | C++ | Java | Python | MATLAB | HTML | CSS
- **Languages :** English - native , Korean - native

PROJECTS/RESEARCH

Social and Language Technologies (SALT) Lab Research

Natural Language Processing Research Project with Dr. Yang   **Fall 2020-Present**

- Develop humor detection and generation models using natural language processing technique. Further study includes analyzing humors during covid pandemic in order to study how the pandemic has impacted people and how humor plays a role in it. Further study may involve not only humor detection and analysis but also humor generation.

Lemotif Research

Computer Vision Research Project with Dr. Parikh   **Spring 2020 - Fall 2020**

- Interpret journals using Natural Language Processing and generate an image based on the interpreted theme of the input entry using Generative Adversarial Network. Develop web server as well as an ios application that facilitate the use of the technology. (Web Demo Link: http://lemotif.cloudcv.org/)

Drawing Panel

Java GUI program – personal project   **June 2019**

- Allow a user to draw geometric figures as well as draw freely using pen, choose a color of their choice, move and rotate figures already drawn, and save and open a project. (Demo: https://tinyurl.com/drawingpanel)

ORGANIZATIONS

- **Data Science at Georgia Tech** : manage current club sponsors as well as organize Hackalytics, a data science hackathon   **Corporate Outreach** **May 2020 - Present**
- **Programming team** : compete in various coding competitions.   **member (Spring 2020 - Present)**

JUDGE VOLUNTEERS

- **HoneyWell STEM Challenge Judge :** judged middle school students' design of technology-based solution for social good using Micro Bit.   **Judge** (**December 2019)**
- **Amazon EarSketch Competition Judge :** assessed coding skills of participants, who created songs implementing EarSketch module in Python.   **Judge** (**January 2019)**