SUNG RUNG YOO

slifer4195@gmail.com
Austin, TX 78717
https://github.com/slifer4195
https://www.linkedin.com/in/sung-rung-yoo/

Texas A&M University – College Station, Texas   *Expected Graduation Date: Dec, 2023*
Bachelor of Science in Computer Science   *Current GPA: 3.40*
Skill Sets: mysql, swift, flask, react, python, c++,ruby, java, javascript, deep learning
Personal website: https://slifer4195.github.io/

Work Experience

Software Engineer Intern at Trane Technologies (CO-OP)
Date: May/2022 ~ Dec/2022   Used: Python, Ruby, mysql
- Implemented dynamic log in the system using threading
- Used mysql to keep track of which information is needed by the user
- Implemented test coverage and test cases
- Converted log file into a json formatted data using hash table and parsing

Research Assistant at Soft Interaction Lab
Date: Jan/2022 ~ May/2022   Used: Python(Flask), HTML,CSS
- Ordered data by the popularity of posts by having an importance level as entity for each post
- CRUD implementation with Flask and sqlite
- Implemented highlighting feature that can classify important and non important posts

Publication

Journal Publication: Denoising image using Deep Learning under severe noise environment
Published Date: Nov, 18 2021
- Developed an algorithm called Frame Generative Neural Network to denoise an image that has an extremely high PSNR value.
- Using multiple pretrained U-Net Models and combining outputs, it further improves denoising performance from traditional methods to remove noise.

Side Projects

Game Tutorial Website
Used: Python (Flask), React, mysql, pokeAPI
- Gets the types and images of pokemon from pokeAPI
- Using Dictionary, it displays the types that it is weak against the opponent's pokemon
- Using a Link List, it also shows the evolution of each pokemon

Korean Language Tutorial Chatbot
Used: Python (Tensorflow, Flask)
- Neural Network implementation that uses encoder to understand user`s input and decoder to respond to give valid output and LSTM.
- Uses two separate neural networks and output based on the higher scored network.
- Show the user how to say each korean word in correct pronunciation.