Zebin Yun

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EDUCATION BACKGROUND

Southern University of Science and Technology(SUSTech)   **Guangdong, China**
B.Eng., Intellience Science and Technology   *Sept. 2019-. Present*
GPA: 88.99/100

Tel Aviv University(TAU)   **Tel Aviv, Israel**
Visiting Student   *Jun. 2022-. Present*

ACADEMIC EXPERIENCE

Internet Data Analysis and Fundamentals of Research Methods   **Oxford University** (remote)
online course $1^{st}Jul.\ 2021$- $19^{th}Jul.\ 2021$
Grade 4.0/4.0

- Analysed the users' behaviours in stack exchange's site called linguistics and learnt about which users created the main posts and which type of posts was appreciated by users.In the end,I checked the Pareto's principle using Stack exchange's site and visualized the community about one-mode graph and two-mode graph.Here is my individual project's link .
- Crawled customer review data of in Taobao and JD shopping website and compared them with Amazon's Kindle sales review data on kaggle to find the different characteristics of Chinese and foreign customers.

NUS school of Computing Summer Workshop 2021   **National University of Singapore(remote)**
earned the second reward   *May 2021- Jul.2021*

- Participated in project and utilized Google dialogflow to train the natural language processing dialogue robot integrated on Facebook workspace.
- Utilized SVM ,RNN and other methods to realize the quantitative transaction model, which was introduced to users through the dialogue robot.

RESEARCH

Student Assistent   **GuangDong, China**
project Supported by National Climb Plan   *Sep. 2020- Jun.2021*

- Improved edge detection algorithm and designed GUI for image processing program and the total project aims to designing a multitask CNN-based application platform for coastal land use and coastline change detection in Guangdong, Hong Kong and Macao Great Bay Area.

Facial image generation accross the age domain   **SUSTech**
Associate Professor Yu Zhang's research group   *Jul. 2021- Jan. 2022*

- Developed a generative adversarial network with generator where neural order differential equation is embedded transform the facial images across the age domain.

Adversarial Machine Learning   **Tel Aviv University**
Dr. Mahmood Sharif's research group   *Jun. 2022- Present*

- Researched factors affecting the transferability of the adversarial sample in black-box setting and improved it. A paper towards ICLR 2023 is under-reviewed(I am first author).

PROFESSIONAL EXPERIENCE

Intern   **Shenzhen,China**
Zhi Hui Ling Network Technology Co., Ltd.   *Jul. 2021-Aug. 2021*

- Designed data compression algorithm using neural network to map high-dimensional data to low-dimensional data and restore it.

SKILLS

- Extensive knowledge of Linux, Python, C++ and could use Python packages including Pytorch, Numpy, Pandas, Scikit-learn, computer vision, Keras and so on fluently.
- Master MySQL and PostgreSQL database operation, data cleaning and analysis ability, algorithms in data structure.
- Proficient in machine learning algorithms(especially generative model and adversarial learning algorithms).

AWARDS & ACHIEVEMENTS

- Freshman scholarship(SUSTech) *Sep. 2019*
- Chinese National Endeavor Scholarship(SUSTech) *Oct.2020*
- Second prize of outstanding student scholarship(SUSTech) *Oct.2021*
- The second reward of NUS Summer Workshop *Jul.2021*
- First prize for *machine learning* course project *Jan.2022*