Chenyan LIU

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EDUCATION BACKGROUND

- **National University of Singapore (NUS)**   **08/2021 – 12/2022**

DEGREE: M.S. of Computing (with specialization in computer science)   **GPA:** 4.42/5

- **Huazhong University of Science and Technology (HUST)**   **09/2017 – 06/2021**

DEGREE: B.Eng. in Computer Science and Technology   **GPA**: 3.91/4

GRE: 321 (Verbal: 153; Quantitative: 169; Writing: 3.5)   **TOEFL**: 106 (R: 29, L: 29, S: 23, W: 25)

SELECTED HONORS AND AWARDS

- ✧ Outstanding Undergraduate Student, HUST   06/2021
- ✧ Merit Student (top 5%), HUST   11/2018
- ✧ Outstanding Entrants Scholarship, School of Computer Science and Technology, HUST   03/2018

RESEARCH EXPERIENCE

Research Intern (Supervisor: Asst. Prof. Yun Lin, NUS)

Java Code Summarization and Comment Generation   **05/2022 – now**

- ✧ Extensive survey for code summarization models and solutions for the out-of-vocabulary problem;
- ✧ Hands-on training experience with pre-trained models like CodeBERT and NeuralCodeSum models.

Generative Adversarial Network   **01/2022 – 05/2022**

- ✧ Extensive survey and implementation for GAN variants;
- ✧ Comparison and analysis of GAN variants' performance over different tasks.

Summer Research Intern (Supervisor: Asst. Prof. Zhe Jiang, University of Florida)

Automatic Stream Delineation Based on Geographic Image   **04/2022 – now**

- ✧ Automatically generate geographic polylines for river delineation based on earth imagery;
- ✧ Proposing a conditional RNN model by treating vertices of polylines as a sequence of coordinates;
- ✧ Adopting NLP techniques including Transformer to improve model performance.

Undergraduate Dissertation (Supervisor: Asst. Prof. Wei Wang, HUST)

Scalable Video Distribution System Based on Dynamic Coalition   **02/2021 – 11/2021**

- ✧ Combined coalition formation game and K-means to form dynamic coalitions of user equipment (UEs) under one cellular network, the central UE of each coalition is responsible for relaying the real-time video from the base station;
- ✧ The dissertation is revised and submitted to GLOBECOM 2022 as the first author.

EXTRACURRICULAR ACTIVITIES

CCF Student Member, China National Computer Congress   **10/2018**

- ✧ Participated in academic conferences held by the China Computer Federation (CCF), inspired by scholars' presentations.

PROFESSIONAL SKILLS

Programming Languages: Python, C/C++, SQL, Assembly, LaTeX