

Qisheng Liao

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Education

- 09/2016-03/2020 **University of California Santa Cruz (UCSC)**, United States
- Bachelor of Science in Computer Science
 - Major GPA: 3.85/4.0 (Highest Honor)
- 09/2020-01/2022 **New York University (NYU)**, United States
- Master of Science in Computer Science
 - GPA: 3.87/4.0

Teaching Experience

- 10/2021-12/2021 **Network Analytics**. Fall 2021, NYU Shanghai
- Teaching Assistant for Network Analytics chosen out of 31 applicants.
 - Learned and taught the techniques for business analytics and network analytics.
 - Responsible for preparing weekly recitation session, grading homework and exams.
- 02/2022-Present **Data Science for Soc. and Info. Networks**. Spring 2022, NYU Shanghai
- Teaching Assistant for Data Science for Social and Information Networks.
 - Learned and taught the techniques for social and information network analytics in business.
 - Taught basic machine learning concepts on weekly recitation.
 - Responsible for helping professor develop new teaching materials for graph neural network.

Research Experience

- 07/2021-09/2021 **Electric Car Charging Station Placement Problem in Large Road Networks**
- Analyzed a mathematical model for balanced placement problem of Electric Cars.
 - Wrote a paper.
- 09/2021-Present **Chinese Calligraphy Styles and Characters Recognition**
- Gathered, cleaned, and preprocessed 80000 image data with labels online.
 - Designed multimask models and contrastive learning models in PyTorch.
 - Designed a language model greedy algorithm for fixing potential wrong predictions.
 - Designed a supervised contrastive model to do search-based generative problem.
 - Developed a user-interface for public use for Chinese calligraphy recognition with a partner.

Internship Experience

- 07/2019-09/2019 **NetDragon Websoft Inc.**, Fuzhou, China
- Developed interfaces between back-end system and front-end system.
 - Configured back-end system and controlled database by MyBatis.
 - Joined a group for multiprocessor parallel computing research for 10 TB user information.
- 06/2020-08/2020 **Fujian Electronics & Information Group**, Fuzhou, China
- Tested hardware performance in Linux System.
 - Analyzed hardware compatibility in Linux System.
- 10/2021-Present **New York University Shanghai**, Shanghai, China
- Taught machine learning in weekly recitation sessions.
 - Hold office hours twice a week.
 - Help professors prepared teaching materials