BINGJUN LI

+1 (857) 424-8545 ⋄ bingjun.li@uconn.edu ⋄ Vernon, CT, 06066

EDUCATION

University of Connecticut, Storrs, CT 09.2020 - Present
Ph.D Student in Computer Science & Engineering

University of Connecticut, Storrs, CT 08.2019 - 08.2020
Ph.D Student in Statistics

The George Washington University, Washington, DC 08.2015 - 06.2017
Master of Science in Statistics

Boston University, Boston, MA 01.2011 - 06.2014
Bachelor of Science in Mathematics

SKILLS

- Six-year experience in machine learning software and platform: Pytorch, Tensorflow, Keras, Pandas, Numpy, Scikit-Learn, matplotlib
- Proficient in programming language and software tools: Python, R, Java, Matlab, MySQL, Git
- Experience in High Performance Computing Cluster and Job Scheduler, AWS

WORK EXPERIENCE

University of Connecticut, Storrs, CT 09.2020 - Present
Teaching Assistant / Research Assistant

· Taught the lab session of the undergraduate introduction course to programming based on Python, and act as TA for the undergraduate algorithm course.

EdLab, Teachers College, Columbia University, New York, NY 05.2019 - 08.2019
Data Engineer

· Built a OCR processing pipeline in python which significantly reduce memory usage by 80%.
· Developed a visualization tool for understanding relationship between AWS cost and different service.
· Conducted network analysis upon the relationship between archive items and item topics.
· Built an R Shiny web application to interactively visualize internal network of library archives.

Utofun, New York, NY 08.2017 - 05.2019
Data Analyst

· Used Python and R to scrape and clean decades of data about the real estate market from multiple sources.
· Developed R scripts for standardized procedures to select optimal time series model for market behavior prediction.
· Created automated visualized report generating procedures in R and Python which improved efficiency by 60%.
· Applied data mining techniques to clean unstructured data and machine learning to estimate home value.

PUBLICATION

Li, B., & Nabavi, S. (2023). scGEMOC, A Contrastive Learning Single-cell Multiomics Clustering Model with Embedded Gene Regulatory Network. *Under review.*

Li, B., & Nabavi, S. (2023). A Multimodal Graph Neural Network Framework for Cancer Molecular Subtype Classification. *arXiv preprint arXiv:2302.12838.*

Bai, J., **Li, B.**, & Nabavi, S. (2022, August). Semi-supervised classification of disease prognosis using CR images with clinical data structured graph. In *Proceedings of the 13th ACM International Conference on Bioinformatics, Computational Biology and Health Informatics* (pp. 1–9).

Wang, T., **Li, B.**, & Nabavi, S. (2021, December). Single-cell RNA sequencing data clustering using graph convolutional networks. In *2021 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* (pp. 2163-2170). IEEE.

Li, B., Wang, T., & Nabavi, S. (2021, August). Cancer molecular subtype classification by graph convolutional networks on multi-omics data. In *Proceedings of the 12th ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics* (pp. 1-9).