Jing Li

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Education

PhD student in Computer Science, York University — Toronto, Canada
Specialize in Data Mining/Graph Mining/Generative Models/AI — *Jan 2024 – Expected 2027*

Master in Computer Science, York University — Toronto, Canada
Relevent Courses: Machine Learning, Neural Networks and Deep Learning — *Sept 2021 – Dec 2023*

Bachelor in Computer Science, York University — Toronto, Canada
Cumulative GPA 8.6/9 — *May 2018 – Apr 2021*

Technical Skills

Programming: Python, Java, C, JavaScprit
Data Science & AI: Pandas, NumPy, Scikit-Learn, Matplotlib, PyTorch, PyTorch Lightning
Relevant skills: Data analysis, Data visualization, Data-driven decision making

Research Interests

Graph Mining / Spatiotemporal Data Mining / Mobility Data Mining
Machine Learning on Graphs / Generative Models / LLMs

Work Experience

Research Assistant — Apr 2020 – Aug 2021
Data Mining Lab / OMNI-RÉUNIS — *Toronto, Canada*

- Contributed to research on "Epidemic Dynamics in Trajectory Networks," focusing on the analysis and modeling of disease spread within dynamic network structures
- Co-authored several scholarly papers related to the project

Teaching Assistant — Sept 2021 – Present
Lassonde School of Engineering — *Toronto, Canada*

- Passionate in supporting students learning; Marks students' labs, tests and exams at an efficient amount of pace
- TA-ed: EECS 3311 Software Design, EECS 4414 Information Networks, MATH 1090 Logic for Computer Science, EECS 2001 Intro. to the Theory of Computation

Referee Services — Sept 2021 – Present
Journal/External Reviewer — *Toronto, Canada*

- KDD, SIGIR, TKDE, WSDM, CIKM, SDM, The Web Conference(WWW), Computational Intelligence 2021

Publications

- (Big Data Research) T. Pechlivanoglou, **J. Li**, J. Sun, F. Heidari, M. Papagelis, "Epidemic Spreading in Trajectory Networks", Vol. 27, 100275, pp 1-15, 2022
- (ACM SIGSPATIAL) T. Pechlivanoglou, G. Alix, N. Yanin, **J. Li**, F. Heidari, and M. Papagelis, "Microscopic modeling of spatiotemporal epidemic dynamics", pp 11–21, 2022
- (IEEE MDM) G. Alix, N. Yanin, T. Pechlivanoglou, **J. Li**, F. Heidari and M. Papagelis, "A Mobility-based Recommendation System for Mitigating the Risk of Infection during Epidemics", pp 292-295, 2022
- (ACM SIGSPATIAL) A. Faraji*, **J. Li***, G. Alix, M. Alsaeed, N. Yanin, A. Nadiri, and M. Papagelis, "Point2Hex: Higherorder Mobility Flow Data and Resources", pp 1-4, 2023
- (Submitted) A. Nadiri, A. Faraji, **J. Li**, and M. Papagelis, "TrajLearn: Trajectory Prediction Learning using Deep Generative Models," pp 1-10

Honors & Awards

- 2021-22 Vector Scholarship in AI Recipient
- Lassonde Graduate Entrance Scholarship
- York Continuing Student Scholarship Recipient
- Merei Family Scholarship Recipient