EDUCATION

**Ph.D. Candidate in Computer Science, MIT**
Geometric Data Processing Group
Advisor: Justin Solomon
GPA: 5.0/5.0

**Master of Science in Mathematics, Stanford University**
GPA: 4.05/4.3

**Bachelor of Science, Stanford University**
Double major in Computer Science and Mathematics (with Honors)
Advisor: Daniel Bump
GPA: 4.05/4.3

**University of Oxford, Stanford Bing Overseas Studies Program**

WORK EXPERIENCE

**Netflix, Remote, Research Scientist**
Working on content creation for original series, movies, and video games.

**Microsoft Research, Boston, MA, Research Intern**
Worked with Lester Mackey on compression and bias correction of samples.

**Adobe Inc, San Francisco, CA, Research Intern**
Worked with Noam Aigerman and Vladmir G. Kim on implicit-function-based symmetry and recurring pattern detection methods.

**Stanford, Geometry Processing Lab, CA, Graduate Research Assistant**
Led a research team at Guibas Lab on 3D surface reconstruction (shape completion via symmetric, geometric primitive fitting), in remote collaboration with a research team from Siemens Corporation.

**Rubrik, Inc., Palo Alto, CA, Software Engineering Intern**
Developed a secure and persistent method to access MSSQL from other platforms via Samba and TLS tunnel.

**Intentional Software Corporation, Bellevue, WA, Software Engineering Intern**
Developed a new threading model of the texture cache for the graphics team.

**Facebook, Inc., Menlo Park, CA, Software Engineering Intern**
Redesigned and implemented “profile tiles” on the Facebook web platform to allow a more unified look and feel on the profile page.

**Fangtsun Games, Chengdu, China, Game Developer**
Supported the development of a detective story-based indie game rendered in ancient Chinese art style named “shadow play” as a founding member at a local game startup.

PUBLICATIONS

**Debiased Distribution Compression**
Lingxiao Li, Raaz Dwivedi, Lester Mackey
International Conference on Machine Learning (ICML), 2024
Self-Consistent Velocity Matching of Probability Flows
Lingxiao Li, Samuel Hurault, Justin Solomon
Conference on Neural Information Processing Systems (NeurIPS), 2023

Sampling with Mollified Interaction Energy Descent
Lingxiao Li, Qiang Liu, Anna Korba, Mikhail Yurochkin, Justin Solomon
Conference on Learning Representations (ICLR), 2023

Learning Proximal Operators to Discover Multiple Optima
Lingxiao Li, Noam Aigerman, Vladimir G. Kim, Jiajin Li, Kristjan Greenewald, Mikhail Yurochkin, Justin Solomon
Conference on Learning Representations (ICLR), 2023

Wasserstein Iterative Networks for Barycenter Estimation
Alexander Korotin, Vage Egiazarian, Lingxiao Li, Evgeny Burnaev
Conference on Neural Information Processing Systems (NeurIPS), 2022

Do Neural Optimal Transport Solvers Work? A Continuous Wasserstein-2 Benchmark
Alexander Korotin, Lingxiao Li, Aude Genevay, Justin Solomon, Alexander Filippov, Evgeny Burnaev
Conference on Neural Information Processing Systems (NeurIPS), 2021

Large-Scale Wasserstein Gradient Flows
Petr Mokrov, Alexander Korotin, Lingxiao Li, Aude Genevay, Justin Solomon, Evgeny Burnaev
Conference on Neural Information Processing Systems (NeurIPS), 2021

Interactive All-Hex Meshing via Cuboid Decomposition
Lingxiao Li, Paul Zhang, Dmitriy Smirnov, S Mazdak Abulnaga, Justin Solomon
SIGGRAPH Asia, 2021

Continuous Wasserstein-2 Barycenter Estimation without Minimax Optimization
Alexander Korotin, Lingxiao Li, Justin Solomon, Evgeny Burnaev
Conference on Learning Representations (ICLR), 2021

Continuous Regularized Wasserstein Barycenters
Lingxiao Li, Aude Genevay, Mikhail Yurochkin, Justin Solomon
Conference on Neural Information Processing Systems (NeurIPS), 2020

Supervised Fitting of Geometric Primitives to 3D Point Clouds
Lingxiao Li*, Minhyuk Sung*, Anastasia Dubrovina, Li Yi, and Leonidas Guibas (* equal contribution)
Oral presentation at Computer Vision and Pattern Recognition (CVPR), 2019

AWARDS

MIT EECS Frederick C. Hennie III Teaching Award 2021
Recognition of outstanding contribution to departmental teaching

MIT EECS Great Educator Fellowship 2019-2020
Twelve-month fellowship covering first-year Ph.D. tuition and living expenses

Stanford Frederick Emmons Terman Engineering Scholastic Award 2018
Awarded to the top 5% graduating seniors in the engineering school

Stanford CS348B Rendering Competition, Grand Prize 2016
International Collegiate Programming Contest 2014-2015
World finalist representing Stanford, second place in Pacific Northwest regional contest

Stanford Larry Yung Scholarship 2014-2018
Full tuition coverage for the undergraduate study at Stanford

Chinese National Olympiad in Informatics, gold medalist 2012
Asia-Pacific Informatics Olympiad, gold medalist 2012