Rebecca Lin

ryelin@mit.edu | rebeccayelin.github.io

Education

2022-Now **PhD in Computer Science**
Massachusetts Institute of Technology (MIT)
Advisor: Prof. Erik Demaine

2017-2022 **BSc in Honors Computer Science**
University of British Columbia (UBC)
Advisor: Prof. William Evans

Experience

▸ Research

2024 **Research Scientist Intern**
Adobe Research
Mentor: Mackenzie Leake

2023 **Visiting Researcher**
Origami Lab, University of Tokyo
Host: Tomohiro Tachi

2020-2022 **Undergraduate Research Assistant**
Algorithms Lab & Imager Lab, UBC
Advisors: William Evans, Nicholas Harvey, and Alla Sheffer

2021 **Undergraduate Research Fellow**
Computer Graphics Lab, University of Waterloo
Advisor: Craig Kaplan

▸ Industry

2019, 2020 **Software Engineering Intern**
Microsoft

2019 **Cloud Infrastructure Engineering Intern**
Cisco Systems

▸ Teaching

Spring 2024	**Graduate Teaching Assistant — 20 hrs/week** 6.1220: Design & Analysis of Algorithms, MIT
Fall 2023	**Graduate Teaching Assistant — 20 hrs/week** 6.1001: Fundamentals of Programming, MIT
Summer 2021	**Undergraduate Teaching Assistant — 12 hrs/week** CPSC 320: Intermediate Algorithm Design & Analysis, UBC
Fall 2020	**Undergraduate Teaching Assistant — 12 hrs/week** CPSC 221: Basic Algorithms & Data Structures, UBC

Publications

α denotes alphabetical ordering, typical in theoretical computer science, and * denotes equal contribution

▸ Journals

1. Yin, J., Liu, C., **Lin, R.**, Vining, N., Rhodin, H., & Sheffer, A. (2022). Detecting Viewer-Perceived Intended Vector Sketch Connectivity. *ACM Transactions on Graphics*. In *Proceedings of SIGGRAPH North America 2022*.

▸ Conferences

1. (α) Demaine, E., Kirkpatrick, Y., & **Lin, R.** (2024). Graph Threading. In *Proceedings of the 15th Innovations in Theoretical Computer Science (ITCS 2024)*.
2. Evans, W., & **Lin,** R. (2022). The Polygon Burning Problem. In *Proceedings of the 16th International Conference and Workshops on Algorithms and Computation (WALCOM 2022)*.

▸ Preprints

1. Lin, E. Y. H., Wang, Z., **Lin, R.**, Miau, D., Kainz, F., Chen, J., Zhang, X., Lindell, D. B., & Kutulakos, K. N. (2023). Learning Lens Blur Fields.
2. **Lin, R.**, & Kaplan, C. (2022). Freeform Islamic Geometric Patterns.

Honors

2022	**Stata Family Presidential Fellowship** MIT - full tuition and stipend
2022	**Canada Graduate Scholarship - Masters (CGS-M)** NSERC - CA $17,500

2020, 2021	**Undergraduate Student Research Award** NSERC - CA $4,500 & $6,000
2020, 2021, 2022	**Rick Sample Memorial Award in Computer Science** UBC - CA $2,500 & $2,800 & $2,500
2021	**Undergraduate Research Fellowship** University of Waterloo - CA $15,000
2021	**Laura Huber Memorial Award for Women in Video Gaming** Electronic Arts via UBC - CA $10,000
2021	**Irving K. Barber Women in Technology Scholarship** BC Scholarship Society - CA $10,000
2018, 2020	**Trek Excellence Scholarship** UBC - CA $1,500
2018	**Summer Studentship** BC Children's Hospital Research Institute - CA $4,750
2018	**Summer Student Research Program** UBC - CA $2,800

Grants

2024	CAMIT Graduate Student Seed Grant for *Reconfigurable Sculptures* - USD $500
2023	CAMIT Grants Committee Funding for *Metallic Kusudamas* - USD $4,940

Outreach

2022-2023	Organizer & Mentor, MIT EECS Graduate Application Assistant Program
2022	Mentor, SIGGRAPH Undergraduate Mentorship Program
2020-2023	Youth Instructor, City Center Community Center
2017	Barbara Brink Intern, Science World British Columbia

Service

(Sub)reviewer for FUN 2024, WALCOM 2023, and CCCG 2022.