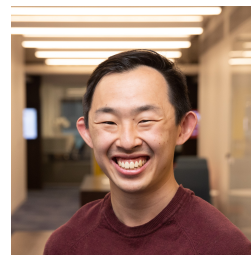


Jonathan Liu

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🌐 <http://liujon23.github.io/>



Education

- 2021 – present ● **Ph.D. Student, University of Chicago** in Computer Science.
Computer Science Education, advised by Dr. Diana Franklin.
- 2016 – 2020 ● **B.A., University of California, Berkeley** in Computer Science.
- **B.A., University of California, Berkeley** in Mathematics (with Honors).
High Distinction in General Scholarship.

Research Publications

Conference Proceedings

- 1 J. Liu and D. Franklin, “Introduction to quantum computing for everyone: Experience report,” in *Proceedings of the 54th ACM Technical Symposium on Computer Science Education V. 1*, ser. SIGCSE 2023, Toronto ON, Canada: Association for Computing Machinery, Mar. 2023. 📄 DOI: 10.1145/3545945.3569836.
- 2 J. Tsan, C. Butler, D. Gonzalez-Maldonado, J. Liu, C. Thomas, and D. Franklin, “An analysis of gallery walk peer feedback on scratch projects from bilingual/non-bilingual fourth grade students,” in *Proceedings of the 2023 ACM Conference on International Computing Education Research - Volume 1*, ser. ICER '23, Chicago, IL, USA: Association for Computing Machinery, Aug. 2023.
- 3 A. Shah, J. Liu, K. Stephens-Martinez, and S. H. Rodger, “The cs1 reviewer app: Choose your own adventure or choose for me!” In *Proceedings of the 26th ACM Conference on Innovation and Technology in Computer Science Education V. 1*, ser. ITiCSE '21, Virtual Event, Germany: Association for Computing Machinery, Jun. 2021. 📄 DOI: 10.1145/3430665.3456333.
- 4 C. H. Séquin, W. Brandon, and J. Liu, “Modular construction of symmetrical knots,” in *Hyperseeing: Proceedings of SMI'2021 Fabrication and Sculpting Event*, ser. SMIFASE 2019, Vancouver, Canada, Mar. 2019. 📄 URL: <https://naka242.github.io/SMIFASE2019/index.html>.

Teaching Experience

College Courses

- Spring 2023 ● **Theory of Algorithms**, University of Chicago (Head TA)
- Spring 2022 ● **Theory of Algorithms**, University of Chicago (Head TA)
- Summer 2019 ● **Multivariable Calculus**, UC Berkeley (Undergraduate Student Instructor)
- Fall 2018 ● **Calculus 2**, UC Berkeley (Undergraduate Student Instructor)

Other

- 2022 - present ● **Math Tutor**, Wendell Phillips High School
- 2018 - present ● **Instructor and Moderator**, Art of Problem Solving, Inc.

Awards

- 2023 ● **Physical Sciences Teaching Prize**, University of Chicago
- 2021-present ● **Liew Family Graduate Fellowship**, University of Chicago

Service

- 2023 ● **Hybrid Experience Co-chair**, International Computing Education Research (ICER)
- 2023 ● **Panelist**, "ChatGPT: Friend or Foe? A Discussion for Students," University of Chicago
- 2022 ● **Co-Organizer**, People and Tech Seminar, University of Chicago
- 2018-2020 ● **Club President**, Undergraduate Group for Theoretical Computer Science (UGTCS), UC Berkeley