

RUNLONG (HARRY) YE

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EDUCATIONS

Ph.D. in Computer Science

Sep. 2024 - Present

University of Toronto

Advisor: Prof. Michael Liut, Prof. Carolina Nobre

Research Area: Human-Computer Interaction, Human-AI Interaction, Intelligent System, Educational Technology

B.Sc. in Computer Science

Sep. 2019 - Jun. 2024

University of Toronto

PUBLICATIONS

11. Zhang, Z., Chen, P., Du, F., **Ye, R.**, Huang, O., Liut, M., and Aspuru-Guzik, A. (2025, October). [TreeReader: a Hierarchical Academic Paper Reader Powered by Language Models](#). In *Proceedings of 2025 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '25)*
10. **Ye, R.**, Zhang, Z., Almazroua, B., & Liut, M. (2025, June). [Beyond Autocomplete: Designing COPILOTLENS Towards Transparent and Explainable AI Coding Agents](#). *Preprint*. Under Review.
9. **Ye, R.**, Lee, P. Y. K., Varona, M., Huang, O., & Nobre, C. (2025, June). [SCHOLARMATE: A Mixed-Initiative Tool for Qualitative Knowledge Work and Information Sensemaking](#). In *Proceedings of the 4th Symposium on Human-Computer Interaction for Work (CHIWORK '25)*
8. Xiao, R., Hou, X.* , **Ye, R.***, Kazemitabaar, M.* , Diana, N., Liut, M., & Stamper, J. (2025, March). [Improving Student-LLM Interactions through Pedagogical Prompting](#). *Preprint*. Under Review.
7. **Ye, R.**, Varona, M., Huang, O., Lee, P. Y. K., Liut, M., & Nobre, C. (2025, February). [The Design Space of Recent AI-assisted Research Tools for Ideation, Sensemaking, and Scientific Creativity](#). *Preprint*. Under Review.
6. **Ye, R.**, Sibia, N., Zavaleta Bernuy, A., Zhu, T., Nobre, C., & Liut, M. (2024, October). [ARC: Automated Review Companion Leveraging User-Centered Design for Systematic Literature Reviews](#). *Preprint*. Under Review.
5. Zavaleta Bernuy, A., Sibia, N., Chen, P., Xu, J. J.-N., Tran, E., **Ye, R.**, Pammer-Schindler, V., Petersen, A., Williams, J. J., & Liut, M. (2024, May). [Does the Medium Matter? A Comparative Analysis of Voice and Text Reflective Learning](#). In *Proceedings of the 2024 ACM Designing Interactive Systems Conference (DIS '24)*.
4. Kazemitabaar, M., **Ye, R.**, Wang, X., Henley, A., Denny, P., Craig, M., & Grossman, T. (2024, May). [CODEAID: Evaluating a Classroom Deployment of an LLM-based Programming Assistant that Balances Student and Educator Needs](#). In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)*.
3. Zavaleta Bernuy, A., **Ye, R.**, Sibia, N., Nalluri, R., Williams, J. J., Petersen, A., Smith, E., Simion, B., & Liut, M. (2024, March). [Student Interaction with Instructor Emails in Introductory and Upper-Year Computing Courses](#). In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education (SIGCSE '24)*.
2. Zavaleta Bernuy, A., **Ye, R.**, Tran, E., Mandal, A., Shaikh, H., Simion, B., Petersen, A., Liut, M., & Williams, J. J. (2023, November). [Do Students Read Instructor Emails? A Case Study of Intervention Email Open Rates](#). In *Proceedings of the 23rd Koli Calling International Conference on Computing Education Research (Koli Calling '23)*.
1. **Ye, R.**, Chen, P., Mao, Y., Wang-Lin, A., Shaikh, H., Zavaleta Bernuy, A., & Williams, J. J. (2022, September). [Behavioral Consequences of Reminder Emails on Students' Academic Performance: a Real-world Deployment](#). In *Proceedings of the 23rd Annual Conference on Information Technology Education (SIGITE '22)*. **Best Paper Award** 🏆

* Indicate equal contribution

WORK EXPERIENCES

Full-Stack Software Developer Co-op

CX, Oracle

May 2022 - May 2023

Toronto, ON

- Maintained 20+ projects, updating dependencies and documentation. Modernized a legacy web app by creating new pages with React and OJET, enhancing user experience.
- Migrated core application functions to Kubernetes, boosting scalability, reliability, and reducing costs.
- Developed 20+ end-to-end automation tests (Java, Selenium WebDriver, C#), including asynchronous API tests, significantly increasing test coverage and efficiency.

TEACHING EXPERIENCES

Teaching Assistant

University of Toronto

Sep. 2021 - Present

Toronto, ON

Introduction to Computer Programming - CSC108 (Fall '21, Fall '23: Head TA)

Software Design - CSC207 (Fall '24)

Introduction to Databases - CSC343 (Winter '23, Winter '24: Head TA)

Computing Education - CSC389 (Winter '25)

- CSC108: Host lecture breakout rooms to teach course exercises in an active learning environment.
- CSC207: Host weekly tutorial sessions to engage students with course content and supervise students' course projects.
- CSC343: Support instructor to update and review course structure, material, and exams. Preparing and delivering weekly tutorials, moderating online discussions, and grading.
- CSC389: Support lecture delivery, develop and deliver weekly tutorial sessions on research methodology.

Head TA includes additional duties such as preparing course materials, coordinating groups of TAs, and additional admin tasks.

TALKS

1. **The 23rd Annual Conference on Information Technology Education (SIGITE '22)**

Paper Presentation

Sep. 2022

Chicago, IL (Virtual)

Title: [Behavioral Consequences of Reminder Emails on Students' Academic Performance: a Real-world Deployment](#)

RESEARCH AWARD

DiDi Graduate Student Award in Computer Science (\$10,000)

2024-2025

University of Toronto Undergraduate Student Research Award (\$7,500)

2023

CRA Outstanding Undergraduate Researcher Awards Honorable Mention

2023

SERVICES

Conference Reviewer

COLM - Conference on Language Model

1 × Workshop paper, 2025

CHI - ACM Conference on Human Factors in Computing Systems

1 × Late-Breaking Work, 2025

DIS - ACM Designing Interactive Systems Conference

1 × Full Paper, 2025

Conference Student Volunteer

SIGCSE (2023)

Community Volunteer

DCS Academy (2025)

RESEARCH AWARD

DiDi Graduate Student Award in Computer Science (\$10,000)	2024-2025
University of Toronto Undergraduate Student Research Award (\$7,500)	2023
CRA Outstanding Undergraduate Researcher Awards Honorable Mention	2023

ADVISING

Zeling (Zoey) Zhang , Computer Science	Summer 2025
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