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, Responsible AI, Intelligent Systems, Educational Technology

B.Sc. in Computer Science Sep. 2019 - Jun. 2024
University of Toronto

PUBLICATIONS

11. **Ye, R.**, Huang, O., Lee, P. Y. K., Liut, M., Nobre, C & Kong. H. (2026, April). Reflexis: Supporting Reflexivity and Rigor in Collaborative Qualitative Analysis through Design for Deliberation. To appear in *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26)*.

10. **Ye, R.**, Sibia, N., Zavaleta Bernuy, A., Zhu, T., Nobre, C., & Liut, M. (2026, March). ARC: Automated Review Companion Leveraging User-Centered Design for Systematic Literature Reviews. To appear in *Proceedings of the 31st International Conference on Intelligent User Interfaces (IUI '26)*.

9. Hou, X.*, Xiao, R.*, **Ye, R.**, Liut, M., & Stamper, J. (2026, February). Exploring Student Choice and the Use of Multimodal Generative AI in Programming Learning. To appear in *Proceedings of the 57th ACM Technical Symposium on Computer Science Education (SIGCSE '26)*.

8. 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)*.

7. **Ye, R.**, Zhang, Z., Almazroua, B., & Liut, M. (2025, October). Beyond Autocomplete: Designing CopilotLens Towards Transparent and Explainable AI Coding Agents. Part of *The First Workshop on the Application of LLM Explainability to Reasoning and Planning at Conference on Language Model (XLLM-Reason-Plan @ COLM '25)*.

6. **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)*.

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 May 2022 - May 2023
CX, Oracle *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 Sep. 2021 - Present
University of Toronto (Various Campuses) *Toronto, ON*

Introduction to Computer Programming - CSC108 (Fall '21, Fall '23: Head TA, Fall '25: Prep and Head TA)
Software Design - CSC207 (Fall '24)
Introduction to Databases - CSC343 (Winter '23, Winter '24: Head TA, Winter '26: Head TA)
Computing Education - CSC389 (Winter '25, Winter '26)

- 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 delivering guest lecturers, preparing course materials, coordinating groups of TAs, and additional administrative tasks.

TALKS

1. **The 23rd Annual Conference on Information Technology Education (SIGITE '22)** Sep. 2022
   Paper Presentation *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

CHI - ACM Conference on Human Factors in Computing Systems
5 ×Full Paper 2026
1 ×Late-Breaking Work (with special cognition) 2025

DIS - ACM Designing Interactive Systems Conference
1 × Full Paper 2025

COLM - Conference on Language Model
1 × Workshop Paper 2025

Conference Student Volunteer

SIGCSE 2023

Community Volunteer

Graduate Application Assistance Program (GAAP) 2025
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 Undergraudate Summer 2025