RUNLONG (HARRY) YE

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EDUCATION

Ph.D. in Computer Science Sep. 2024 - Present
Department of Computer Science, University of Toronto
Advisors: Prof. Michael Liut, Prof. Carolina Nobre
Area: Human-Computer Interaction, Information Visualization

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

PUBLICATIONS

[P.12] Ortiz, F., **Ye, R.**, & Liut, M. (2026). Beyond One-Size-Fits-All Exercises: Personalizing Computer Science Worksheets with Large Language Models. In *Proceedings of the 31st ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE '26)*. (pp. 1-7).

[P.11] Sibia, N., Wen, J., Zhang, Z., **Ye, R.**, Jung, J., Musabirov, I., Simion, B., Suárez, C. A., Vrbik, P., Petersen, A., Zavaleta Bernuy, A., & Liut, M. (2026). SQL Beyond Querying: Scaffolded DDL and DML Practice with Immediate Feedback. In *Proceedings of the ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE '26)*. (pp. 1-7).

[P.10] **Ye, R.**, Huang, O., Lee, P. Y. K., Liut, M., Nobre, C., & Kong, H. K. (2026). Reflexis: Supporting Reflexivity and Rigor in Collaborative Qualitative Analysis through Design for Deliberation. In *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26).* (pp. 1-31).

[P.9] **Ye, R.**, Sibia, N., Zavaleta Bernuy, A., Zhu, T., Nobre, C., Pammer-Schindler, V., & Liut, M. (2026). From Toil to Thought: Designing for Strategic Exploration and Responsible AI in Systematic Literature Reviews. In *Proceedings of the 31st International Conference on Intelligent User Interfaces (IUI '26)*. (pp. 1-22).

[P.8] Hou, X., Xiao, R., **Ye, R.**, Liut, M., & Stamper, J. (2026). Exploring Student Choice and the Use of Multimodal Generative AI in Programming Learning. In *Proceedings of the 57th ACM Technical Symposium on Computer Science Education (SIGCSE '26)*. (pp. 1-7).

[P.7] Zhang, Z., Chen, P., Du, F., **Ye, R.**, Huang, O., Liut, M., and Aspuru-Guzik, A. (2025). 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)*. (pp. 1-21).

[P.6] **Ye, R.**, Lee, P. Y. K., Varona, M., Huang, O., & Nobre, C. (2025). 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)*. (pp. 1-7).

[P.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). 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).* (pp. 1-17).

[P.4] Kazemitabaar, M., **Ye, R.**, Wang, X., Henley, A., Denny, P., Craig, M., & Grossman, T. (2024). 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).* (pp. 1-20).

[P.3] Zavaleta Bernuy, A., **Ye, R.**, Sibia, N., Nalluri, R., Williams, J. J., Petersen, A., Smith, E., Simion, B., & Liut, M. (2024). 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).* (pp. 1-7).

[P.2] Zavaleta Bernuy, A., **Ye, R.**, Tran, E., Mandal, A., Shaikh, H., Simion, B., Petersen, A., Liut, M., & Williams, J. J. (2023). 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)*. (pp. 1-12).

[P.1] **Ye, R.**, Chen, P., Mao, Y., Wang-Lin, A., Shaikh, H., Zavaleta Bernuy, A., & Williams, J. J. (2022). 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)*. (pp. 1-7).
🏆 **Best Paper Award (Top 1 Paper)**

WORKSHOP PAPERS & PREPRINTS

[W.2] **Ye, R.**, Huang, O., He, J., & Liut, M. (2026). Exploring Emerging Norms of AI Attribution and Disclosure in Programming Education. Accepted at *Understanding and Engaging Critical Resistance to AI in Education Workshop (CHI '26 Workshop)*. (pp. 1-8).

[W.1] **Ye, R.**, Zhang, Z., Almazroua, B., & Liut, M. (2025). Beyond Autocomplete: Designing CopilotLens Towards Transparent and Explainable AI Coding Agents. Accepted at *The First Workshop on the Application of LLM Explainability to Reasoning and Planning at Conference on Language Model (COLM '25 Workshop)*. (pp. 1-15).

WORK EXPERIENCE

Full-Stack Software Developer Co-op May 2022 - May 2023
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 EXPERIENCE

University of Toronto Sep. 2021 - Present
Teaching Assistant & Head Teaching Assistant *Toronto, ON*

- **Introduction to Computer Programming (CSC108)** Fall '21 (TA), '23 (Head TA), '25 (Prep/Head TA)
  Head TA: Managed logistics for 1000+ students and 40 TAs, including scheduling, invigilation, and staff support. Developed tutorial content and trained TAs on delivery; designed assessments aligned with learning goals and oversaw grading consistency.
  TA: Led active learning sessions to reinforce Python fundamentals; provided immediate feedback to students during practical exercises.
- **Introduction to Databases (CSC343)** Winter '23 (TA), '24 (Head TA), '26 (Head TA)
  Head TA: Managed logistics for 300+ students and 10+ TAs, taught weekly tutorials alongside administrative duties. Developed tutorial content and trained TAs on delivery; designed assessments aligned with learning goals and oversaw grading consistency.
  TA: Delivered weekly tutorials on aspects in database; moderated forums and supported course delivery.
- **Computing Education (CSC389)** Winter '25 (TA), '26 (TA)
  Designed the full tutorial curriculum on empirical research methods, adopted as the standard material for subsequent terms.
  Delivered weekly tutorials and facilitated seminar discussions on pedagogical theory and research methods for a class of 50 students.
- **Software Design (CSC207)** Fall '24 (TA)
  Led weekly tutorials focusing on design patterns, version control, and clean architecture.
  Mentored student teams through the software development lifecycle on semester-long capstone projects.

TALKS

[T.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

AWARDS AND HONORS

Special Recognition for Outstanding Reviews ×1 2025
ACM Conference on Human Factors in Computing Systems (CHI '25)

Best Paper Award 🏆 2022
ACM Conference on Information Technology Education (SIGITE '22)

GRANTS AND RESEARCH AWARDS

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

SERVICE

Conference Reviewer

1× Full Paper, *ACM Designing Interactive Systems Conference (DIS)* 2026
5× Full Paper; 1× Short Paper, *ACM Human Factors in Computing Systems (CHI)* 2026
1× Short Paper, *ACM Human Factors in Computing Systems (CHI)* 2025
1× Full Paper, *ACM Designing Interactive Systems Conference (DIS)* 2025
1× Workshop Paper, *Conference on Language Model (COLM)* 2025

Conference Student Volunteer

ACM Technical Symposium on Computer Science Education (SIGCSE TS) 2023

Community Volunteer

Graduate Application Assistance Program (GAAP) 2025
DCS Academy 2025

ADVISING

University of Toronto Computer Science Undergraduate

- **Zeling (Zoey) Zhang** [W.1] Summer 2025