

HuanYi Chen

CURRICULUM VITAE (CV)

 h365chen  HuanYi Chen  <https://h365chen.github.io>

EDUCATION

- 2018 - 2024 **PhD** (Doctor of Philosophy) *University of Waterloo, Ontario, Canada*
Thesis: From Understanding Learning Difficulties Among Students To Providing High-Quality Automated Feedback <https://hdl.handle.net/10012/21102>
- 2015 - 2018 **MASc** (Master of Applied Science) *University of Waterloo, Ontario, Canada*
Thesis: Predicting Student Performance Using Data From An Auto-Grading System <http://hdl.handle.net/10012/13435>
- 2010 - 2014 **B.Eng** *Beijing University of Posts and Telecommunications, Beijing, China*

LECTURING

- Winter 2024 ECE 459 Programming for Performance *Instructor*
University of Waterloo, Ontario, Canada
- Winter 2023 ECE 459 Programming for Performance *Instructor*
University of Waterloo, Ontario, Canada
- Spring 2022 INFO 8110 Operating Systems Design *Lecturer*
Conestoga College, Ontario, Canada
- Winter 2022 PROG 8130 Data Structures & Algorithms for Embedded Programming *Lecturer*
Conestoga College, Ontario, Canada
- Winter 2021 EECE 2617 Embedded Operating System Development *Lecturer*
Conestoga College, Ontario, Canada
- Winter 2021 INFO 8110 Operating Systems Design *Lecturer*
Conestoga College, Ontario, Canada

TEACHING ASSISTANT EXPERIENCESⁱ

ECE 459 Programming for Performanceⁱⁱ

ECE 356 Database Systemsⁱⁱ

SE 350 Operating Systems

ECE 252 Systems Programming and Concurrencyⁱⁱ

ECE 155 Engineering Design with Embedded Systems

WORK

Fall 2016 Amazon.com, Inc

Software Development Engineer Intern
Toronto, Ontario, Canada

2014 - 2015 TP-Link Technologies Co., Ltd.

Software Development Engineer
Shenzhen, Guangzhou, China

PUBLICATIONS

- [1] H. Chen and P. Ward, "Enhancing Automated Feedback in On-Going Assignments," in *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 2*, in SIGCSE TS 2024. New York, NY, USA: Association for Computing Machinery, 2024, pp. 1596–1597. doi: [10.1145/3626253.3635571](https://doi.org/10.1145/3626253.3635571).
- [2] H. Chen and P. Ward, "Providing High-Quality Formative Feedback for Database Assignments," in *2024 ASEE Annual Conference and Exposition*, Portland, Oregon: ASEE Conferences, Jun. 2024, pp. 1–17. doi: [10.18260/1-2-47903](https://doi.org/10.18260/1-2-47903).
- [3] H. Chen and P. Ward, "Connecting Actionable Feedback with Course Concepts Using an Auto-Feedback Framework - a Case Study in a Database Course," *Proceedings of the Canadian Engineering Education Association (CEEA)*, Mar. 2024, [Online]. Available: <https://ojs.library.queensu.ca/index.php/PCEEA/article/view/17139>
- [4] H. Chen and P. Ward, "The Value of Time Extensions in Identifying Students Abilities," in *Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V. 1*, in ITiCSE 2023. New York, NY, USA: Association for Computing Machinery, 2023, pp. 512–518. doi: [10.1145/3587102.3588847](https://doi.org/10.1145/3587102.3588847).
- [5] H. Chen and P. Ward, "Metacognitive Accuracy in Homework Assignments, Time-Limited Quizzes, and Learning Objectives," *Proceedings of the 30th International Conference on Computers in Education*, vol. 1, pp. 1–6, 2022.
- [6] H. Chen and P. Ward, "Clustering Students Using Pre-Midterm Behaviour Data and Predict Their Exam Performance," in *Proceedings of the 15th International Conference on Educational Data Mining*, International Educational Data Mining Society, Jul. 2022, pp. 689–694. doi: [10.5281/zenodo.6853143](https://doi.org/10.5281/zenodo.6853143).
- [7] H. Chen and P. Ward, "Predicting Student Performance Using Data from an Auto-Grading System," in *Proceedings of the 29th Annual International Conference on Computer Science and Software Engineering*, in CASCON '19. USA: IBM Corp., 2019, pp. 234–243.

ⁱAt University of Waterloo

ⁱⁱBeing a TA for multiple terms

SERVICE

ITiCSE 2025 30th Annual Conference on Innovation and Technology in Computer Science Education
PC Member, Reviewer

ITiCSE 2024 29th Annual Conference on Innovation and Technology in Computer Science Education
PC Member, Reviewer

CEEA-ACÉG Canadian Engineering Education Association Conference 2024
2024 PC Member, Reviewer

SIGCSE TS 2024 55th ACM Technical Symposium on Computer Science Education
PC Member, Reviewer

ITiCSE 2023 28th Annual Conference on Innovation and Technology in Computer Science Education
PC Member, Reviewer

CEEA-ACÉG Canadian Engineering Education Association Conference 2023
2023 PC Member, Reviewer

SIGCSE TS 2023 54th ACM Technical Symposium on Computer Science Education
PC Member, Reviewer