

# Nimmi R. Weeraddana

Curriculum Vitae

132-350 Columbia St W, Waterloo, ON, Canada

[nrweeraddana@uwaterloo.ca](mailto:nrweeraddana@uwaterloo.ca)

[linkedin.com/in/nimmi-rashinika](https://www.linkedin.com/in/nimmi-rashinika)

+1 778 677 8607

## SUMMARY

- Proven Track Record of **Research Publications**: Throughout my PhD, I have consistently demonstrated a strong commitment to research, with numerous publications in premier software engineering journals and conferences (see **FSE'24**, **TSE'24**, and **EMSE'23** in *Publications* section).
- Proven Track Record of **Student Mentorship**: Over the past two years, I have mentored two MSc students and an Undergraduate Research Assistant, resulting in one of our papers being published (see **MSR'24** in *Publications* section) with another paper currently under review.
- Proven Track Record of **Industry Research**: Over the past two years, I have been actively involved in industry research with Ubisoft Toronto, resulting in a publication in a premier software engineering conference (**ICSE-SEIP'25** in *Publications* section).

## PUBLICATIONS

### Journal Papers

**TSE'24**. Weeraddana NR, Alfadel M, McIntosh S. Characterizing Timeout Builds in Continuous Integration. *Transactions on Software Engineering*, vol 50(6), 2024.

**EMSE'23**. Weeraddana NR, Xu X, Alfadel M, McIntosh S, Nagappan M. An Empirical Comparison of Ethnic and Gender Diversity of DevOps and non-DevOps Contributions to Open-Source Projects. *Empirical Software Engineering*, vol 28(6), 2023.

### Full-Length Conference Papers

**ICSE-SEIP'25**. Weeraddana NR, Habchi S, McIntosh S. Crash Report Prioritization for Large-Scale Scheduled Launches. *International Conference on Software Engineering: Software Engineering in Practice*, 2025.

**FSE'24**. Weeraddana NR, Alfadel M, McIntosh S. Dependency-Induced Waste in Continuous Integration: An Empirical Study of Unused Dependencies in the npm Ecosystem. *International Symposium on the Foundations of Software Engineering*, 2024.

**MSR'24**. Kola-Olawuyi A, Weeraddana NR, Nagappan M. The Impact of Code Ownership of DevOps Artefacts on the Outcome of DevOps CI Builds. *International Conference on Mining Software Repositories*, 2024.

### Short Conference Papers

**ICSE-DS'25**. Weeraddana NR. Mitigating Waste That Tacitly Accrues in Continuous Integration Pipelines. *International Conference on Software Engineering: Doctoral Symposium*, 2025

### Thesis

A qualitative study: How Solution Snippets are Presented in Stack Overflow and How those Solution Snippets Need to be Adapted for Reuse. MSc Thesis, 2022.

## TRAINEES MENTORSHIP .....

<i>Degree</i>	<i>Name</i>	<i>Period</i>	<i>Co-authored papers</i>
MSc	Ajiromola Kola-Olawuyi	Sep 2022 – Apr 2024	<b>MSR'24</b>
MSc	Wen Cui	May 2024 – Present	
BSc	Preeti Valunjar	Jan 2024 – Present	Under review

## TEACHING EXPERIENCE .....

Teaching Assistant at University of Waterloo, Canada	<b>CS 348 Introduction to Database Management:</b> Graded quizzes, assignments, and exams; Offered one-on-one assistance to students through office hours and email consultations. <b>CS 338 Computer Applications in Business:</b> Mentored project groups through the software development lifecycle, from requirement gathering to delivering a software solution; Evaluated project deliverables. <b>CS 116 Introduction to Computer Science 2:</b> Graded quizzes, assignments, and exams.
Teaching Assistant at University of Victoria, Canada	<b>CSC 370 Database Systems:</b> Managed TAs, in particular, allocated assignments and grading responsibilities to other TAs; Created evaluation materials (e.g., designed quizzes and grading scheme); Graded quizzes, assignments, and exams; Offered one-on-one assistance to students through office hours.

## SERVICE ROLES .....

Journal Reviewer	<b>TOSEM.</b> Transactions on Software Engineering and Methodology.
Student Volunteer	<b>ICSE'25.</b> International Conference on Software Engineering 2025.
Shadow PC	<b>MSR'25.</b> International Conference on Mining Software Repositories, 2025.
Student Volunteer	<b>FSE'24.</b> International Symposium on the Foundations of Software Engineering 2024.
Co-reviewer	<b>FSE'23.</b> International Symposium on the Foundations of Software Engineering 2023.

## AWARDS .....

**Cotton Family Women in Mathematics Graduate Scholarship.** Awarded CDN \$3,200 in recognition of prior academic excellence in 2024.

**University of Waterloo International Doctoral Student Award.** Awarded CDN \$15,420 per year for four years.

**ACM SIGSOFT CAPS Award.** Awarded US \$500 USD and US \$1000 in April 2024 and February 2024, respectively, to participate in in-person conferences.

**Graduate Student Research Dissemination Award.** Awarded CDN \$500 to participate in in-person conferences in 2024.

**Upper Bound Talent Bursary - North America.** Awarded CDN \$1500 to participate in the Upper Bound AI conference in 2023.

**University of Waterloo Doctoral Entrance Award.** Awarded CDN \$5,000 in recognition of prior academic excellence in 2022.

**University of Victoria Graduate Award.** Awarded CDN \$1,500, CDN \$1,500 CDN, and CDN \$5,000 in 2022, 2021, and 2020, respectively, based on the recommendation from the Department of Computer Science for academic excellence.

**University of Moratuwa Dean's List Recognition.** Awarded in all four years of undergraduate studies for maintaining a GPA of 3.80 or above (out of 4.20).

## EMPLOYMENT

Ubisoft Toronto, Canada <a href="http://ubisoft.com">ubisoft.com</a>	<b>Research &amp; Development Intern</b> Research on enhancing a game crash impact detection, focusing on improving the quality assurance of gaming applications; recently submitted a research paper based on this work (ICSE-SEIP'25 in <i>Publications</i> section).	May 2023 – Dec 2024
BooleanLabs, Sri Lanka <a href="http://booleanlabs.biz">booleanlabs.biz</a>	<b>Data Science Engineer</b> Developed a real-time intelligent log analysis and risk prediction system; implemented a predictive model for server breakdowns.	Mar 2019 – Dec 2019
99X Technology, Sri Lanka <a href="http://99x.io">99x.io</a>	<b>Software Engineer</b> Worked on an electronic data interchange and e-invoice approval system; developed an XML log file anonymizer to create anonymized test data for testers.	Jul 2018 – Feb 2019

## EDUCATION

University of Waterloo, Canada	PhD in Computer Science	May 2022 – Present
University of Victoria, Canada	MSc in Computer Science	Jan 2020 – Apr 2022
University of Moratuwa, Sri Lanka	BSc in Information Technology	Mar 2014 – Jun 2018