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|  | **Nimmi R. Weeraddana**  Curriculum Vitae | Calgary, AB, Canada  [nimmi.weeraddana@ucalgary.ca](mailto:nimmi.weeraddana@ucalgary.ca)  [linkedin.com/in/nimmi-rashinika](https://www.linkedin.com/in/nimmi-rashinika/)  +1 778 677 8607 |  |  |  |

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|  | **SUMMARY** |  |
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|  | * Proven Track Record of **Research Publications**: Throughout my research career, 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 three 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 (see **S1** in *Publications* section). * 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). | |

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| **EMPLOYMENT** | |  | | | | |
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| University of  Calgary  [ucalgary.ca](http://ucalgary.ca) | | **Assistant Professor**  Research and teaching | | Jul 2025 – Present |
| Ubisoft Toronto,   Canada  [ubisoft.com](https://www.ubisoft.com/) | | **Research & Development Intern**  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 *Publications* section). | | May 2023 – Dec 2024 |
| BooleanLabs, Sri  Lanka  [booleanlabs.biz](https://booleanlabs.biz/) | | **Data Science Engineer**  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  [99x.io](https://99x.io/) | | **Software Engineer**  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** |  | | | | | |
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| University of Waterloo, Canada | | | PhD in Computer Science | May 2022 – Jun 2025 | |
| 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 | |
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| **PUBLICATIONS** | | ` | | | | |
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| 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 | | | | |
| Papers Under  Submission | | **S1.** Valunjkar P,Weeraddana NR, Nagappan M. Software Project Characteristics that Impact the Success Rate of Continuous Integration Builds (The venue is removed to preserve anonymity). | | | | |
| Thesis | | **PhD**. Tacit Inefficiencies and Barriers in Continuous Integration, PhD Thesis, 2025.  **MSc**. 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. | | | | |

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| **TRAINEES MENTORSHIP** | |  | | |
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| ***Degree*** | ***Name*** | | ***Period*** | ***Co-authored papers*** |
| MSc | Ajiromola Kola-Olawuyi | | Sep 2022 – Apr 2024 | **MSR’24** |
| MSc | Wen Cui | | May 2024 – Present |  |
| BSc | Preeti Valunjkar | | Jan 2024 – Present | **S1** |

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| **TEACHING EXPERIENCE** | |  |
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| Teaching Assistant  at University of  Waterloo, Canada | **CS 348 Introduction to Database Management**: Graded quizzes, assignments, and exams; Offered one-on-one assistance to students through office hours and email consultations.  **CS 338 Computer Applications in Business:** Mentored project groups through the software development lifecycle, from requirement gathering to delivering a software solution; Evaluated project deliverables.  **CS 116 Introduction to Computer Science 2:** Graded quizzes, assignments, and exams. | |
| Teaching Assistant  at University of  Victoria, Canada | **CSC 370 Database Systems:** 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. | |

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| **SERVICE ROLES** | |  | |
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| Journal Reviewer | | | **TOSEM.** Transactions on Software Engineering and Methodology. |
| Student Volunteer | | | **ICSE’25.** International Conference on Software Engineering 2025. |
| Shadow PC | | | **MSR’25.** International Conference on Mining Software Repositories, 2025. |
| Student Volunteer | | | **FSE’24.** International Symposium on the Foundations of Software Engineering 2024. |
| Co-reviewer | | | **FSE’23.** International Symposium on the Foundations of Software Engineering 2023. |
| **AWARDS** |  | | |
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| **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). | | | |