

Keheliya Galaba

3480 Rue University, Montréal, QC, Canada
keheliya.gallaba@mail.mcgill.ca • +1 (514) 806-4669 • <http://keheliya.github.io/>

PUBLICATIONS

FULL PAPERS IN INTERNATIONAL JOURNALS

- [TSE18] K. Gallaba and S. McIntosh, “Use and Misuse of Continuous Integration Features: An Empirical Study of Projects that (mis)use Travis CI,” *IEEE Transactions on Software Engineering*, May 2018.

FULL PAPERS IN INTERNATIONAL CONFERENCES

- [ASE18] K. Gallaba, Christian Macho, Martin Pinzger, and Shane McIntosh, “Noise and Heterogeneity in Historical Build Data: An Empirical Study of Travis CI”, In *Proceedings of the International Conference on Automated Software Engineering (ASE)*, Sep 2018.
- [ICSME17] K. Gallaba, Q. Hanam, A. Mesbah, and I. Beschastnikh, “Refactoring Asynchrony in JavaScript”, In *Proceedings of the International Conference on Software Maintenance and Evolution (ICSME)*, 353–363, Sep 2017.
- [ESEM15] K. Gallaba, A. Mesbah, and I. Beschastnikh, “Don’t Call Us, We’ll Call You: Characterizing Callbacks in JavaScript”, In *Proceedings of the International Symposium on Empirical Software Engineering and Measurement (ESEM)*, pp. 247–256, Oct 2015. **Best Paper Award**

SHORT PAPERS IN INTERNATIONAL CONFERENCES

- [MSR18a] N. Rabbani, M. S. Harvey, S. Saquif, K. Gallaba, and S. McIntosh, “Revisiting “Programmers’ Build Errors” in the Visual Studio Context”, In *Proceedings of the 15th International Conference on Mining Software Repositories (MSR)*, Mining challenge, pp. To Appear, May 2018.
- [MSR18b] “Do Software Engineers Use Autocompletion Features Differently Than Other Developers?”, R. Amlekar, A. F. R. Gamboa, K. Gallaba, and S. McIntosh In *Proceedings of the 15th International Conference on Mining Software Repositories (MSR)*, Mining challenge, pp. To Appear, May 2018.
- [MSR17a] M. Manglaviti, E. Coronado-Montoya, K. Gallaba, and S. McIntosh, “An Empirical Study of the Personnel Overhead of Continuous Integration”, In *Proceedings of the 14th International Conference on Mining Software Repositories (MSR)*, Mining challenge, pp. 471–474, May 2017.
- [MSR17b] Y. Khan, Y. Gupta, K. Gallaba, and S. McIntosh, “The Impact of the Adoption of Continuous Integration on Developer Attraction and Retention”, In *Proceedings of the 14th International Conference on Mining Software Repositories (MSR)*, Mining challenge, pp. 491–494, May 2017.

FULL PAPERS IN INTERNATIONAL WORKSHOPS

- [CeBPM12] K. Gallaba, U. Pavalanathan, I. Jayawardena, E. Sooriyabandara, V. Nanayakkara, “Levi — A Workflow Engine Using BPMN 2.0”, Workshop on Cloud-enabled Business Process Management (CeBPM 2012), Paphos, Cyprus, pp. 92–104 Nov 2012.

AWARDS & RECOGNITION

- FRQNT Doctoral Research Award (Bourses de doctorat en recherche) May 2018
Ranked #1 in the ICT group and obtained the competitive scholarship provided by Fonds de recherche du Québec – Nature et technologies (FRQNT).
- McGill Engineering Doctoral Award (MEDA) 2016 – 2019
Full scholarship with stipend for PhD studies at McGill University.
- Best Full Paper Award Oct 2015
Awarded at The ACM/IEEE International Symposium on Empirical Software Engineering and Measurement.
- ISERN Student Travel Grant Oct 2015
Awarded by The International Software Engineering Research Network (ISERN) to attend ESEM ’15.

ACADEMIC SERVICE

ARTIFACT EVALUATION COMMITTEE MEMBER

- Int’l Conf. on Object-oriented Programming, Systems, Languages, and Applications (**OOPSLA**) 2017

CO-REVIEWER

- Int’l Conf. on Mining Software Repositories (**MSR**) 2018
- Canadian Conf. on Electrical and Computer Engineering (**CCECE**) 2018

	<ul style="list-style-type: none"> Int'l Conf. on Software Maintenance and Evolution (ICSME) 2017 Journal of Systems and Software (JSS) 2017 	
RESEARCH EXPERIENCE	Microsoft Research , Cambridge, UK <ul style="list-style-type: none"> PhD Research intern, Systems and Networking Group Jun 2018 – Sep 2018 <ul style="list-style-type: none"> Supervisors: Dr Katja Kevic and Dr Brendan Murphy Focus: Continuous Deployment. 	
MENTORING & TEACHING EXPERIENCE	Undergraduate Students (Co-advised with S. McIntosh) <ul style="list-style-type: none"> Rahul Amlekar, Noam Rabbani, Mike Harvey, Sadnan Saquif, Andrés Felipe Rincón Gamboa Sep 2017 – Apr 2018 <ul style="list-style-type: none"> Co-authored Papers: MSR18a, MSR1b Marco Manglaviti, Eduardo Coronado-Montoya, Yash Gupta, Yusaira Khan Sep 2016 – Apr 2017 <ul style="list-style-type: none"> Co-authored Papers: MSR17a, MSR17b Teaching Assistant <ul style="list-style-type: none"> McGill University, Montréal, QC, Canada <ul style="list-style-type: none"> ECSE321 Introduction to Software Engineering Fall 2017 University of British Columbia, Vancouver, BC, Canada <ul style="list-style-type: none"> EECE416 Software Testing and Analysis Winter II 2014 EECE310 Software Engineering Winter II 2013 & Winter I 2014 	
INDUSTRIAL EXPERIENCE	Fortinet Inc. , Vancouver, BC, Canada <ul style="list-style-type: none"> Software Development Engineer II, Forticlient Team Feb 2016 – Aug 2016 <ul style="list-style-type: none"> Worked on the system for generating software vulnerability signatures, validating them, and delivering them to endpoint security software (Forticlient). WSO2 Inc. , Colombo, Sri Lanka <ul style="list-style-type: none"> Senior Software Engineer, Integration Technologies Team Apr 2013 – Nov 2013 <ul style="list-style-type: none"> Development and support of open source middleware solutions for enterprise integration problems. Software Engineer, Integration Technologies Team Dec 2011 – Mar 2013 <ul style="list-style-type: none"> Worked with WSO2 Business Process Server, Enterprise Service Bus, Identity Server & Governance Registry. Experience with WS-BPEL & other WS-* standards, SOAP/REST web services. XPATH, XSLT, Apache ODE and Eclipse plug-in development. 	
SKILLS	Java, JavaScript, Node.js, Python, R, Git, SVN, Ant, Maven, La TeX.	
EDUCATION	McGill University , Montréal, QC, Canada <ul style="list-style-type: none"> Ph.D. in Software Engineering Sep 2016 – Present <ul style="list-style-type: none"> Thesis: Improving the Robustness and Efficiency of Continuous Integration and Continuous Deployment Tools Adviser: Prof. Shane McIntosh Publications: MSR17a, MSR17b, MSR18a, MSR18b, TSE18, ASE18. University of British Columbia , Vancouver, BC, Canada <ul style="list-style-type: none"> M.A.Sc. in Software Engineering Jan 2014 – Dec 2015 <ul style="list-style-type: none"> Thesis: Characterizing and refactoring asynchronous JavaScript callbacks Advisers: Prof. Ali Mesbah and Prof. Ivan Beschastnikh Publications: ESEM15, ICSME17. University of Moratuwa , Moratuwa, Sri Lanka <ul style="list-style-type: none"> B.Sc. (Hons.) in Computer Science and Engineering May 2007 – Nov 2011 <ul style="list-style-type: none"> Thesis: An analysis of BPMN 2.0 as a business process execution language Advisers: Vishaka Nanayakkara and Dr Milinda Pathirage Publications: CeBPM12. 	

[CV compiled on 2018-08-10]