

Keheliya Gallaba

<http://keheliya.github.io>
keheliya.gallaba@mail.mcgill.ca | 514.806.4669

EDUCATION

MCGILL UNIVERSITY

PHD IN SOFTWARE ENGINEERING

2016-Present | Montreal, QC

Coursework:

- Software Evolution
- Software Language Engineering
- Software Analytics

UBC

MASC IN COMPUTER ENGINEERING

2014-2015 | Vancouver, BC

Coursework:

- Software Engineering
- Program Analysis and Optimization
- Software Testing and Maintenance
- Programming Languages
- Distributed Systems
- Big Data Systems

UNIVERSITY OF MORATUWA

BSC IN COMPUTER SCIENCE & ENGINEERING

2007-2011 | Colombo, Sri Lanka

LINKS

Github:// [keheliya](#)

LinkedIn:// [keheliya](#)

Twitter:// [@keheliya](#)

Blog:// [keheliya.blogspot.com](#)

SKILLS

PROGRAMMING

Good:

Java • JavaScript • Node.js
Shell scripting • \LaTeX • Python

Intermediate:

R • jQuery • D3.js • CSS • HTML

Basic:

C/C++ • Go • Racket • Ruby on Rails

Development Tools:

Maven • Ant • Git • SVN • IntelliJ IDEA

MISC

AWARDS

- Best Full Paper Award (ESEM '15)
- High Distinction at the Australian National Chemistry Quiz 2003 & 2005
- Bronze Medal at Sri Lanka Physics Olympiad 2006
- Finalist at Sri Lanka Mathematics Olympiad 2006

SELECTED PUBLICATIONS

- **An Empirical Study of the Personnel Overhead of Continuous Integration** Marco Manglaviti, Eduardo Coronado-Montoya, K Gallaba, and Shane McIntosh. MSR 2017 Mining Challenge
- **The Impact of the Adoption of Continuous Integration on Developer Attraction and Retention** Yusaira Khan, Yash Gupta, K Gallaba, and Shane McIntosh. MSR 2017 Mining Challenge
- **Refactoring Asynchrony in JavaScript**, K Gallaba, Quinn Hanam, Ali Mesbah, and Ivan Beschastnikh. ICSME 2017
- **Don't Call Us, We'll Call You: Characterizing Callbacks in JavaScript**, Keheliya Gallaba, Ali Mesbah, and Ivan Beschastnikh. ESEM 2015, [Best Paper Award]

EXPERIENCE TEACHING & RESEARCH

MCGILL SOFTWARE REPOSITORY EXCAVATION AND BUILD ENGINEERING LABS | MONTREAL, QC

Sep 2016 – Present | Research Assistant

- Working with **Dr. Shane McIntosh** on Mining Software Repositories for improving Continuous Delivery.

UBC SOFTWARE ANALYSIS AND TESTING LAB | VANCOUVER, BC

Jan 2014 – Dec 2015 | Research Assistant

- Working with **Dr. Ali Mesbah** and **Dr. Ivan Beschastnikh** on asynchrony related issues and callback usage patterns in JavaScript applications.

Jan 2014 - Dec 2015 | Teaching Assistant

- **EECE 310** Software Engineering (2013 Winter Term II & 2014 Winter Term I)
- **EECE 416** Software Testing and Analysis (2014 Winter Term II)

EXPERIENCE SOFTWARE DEVELOPMENT

WSO2 | PALO ALTO, CA & COLOMBO, LK

April 2013 – November 2013 | Senior Software Engineer

- Development and support of open source middleware solutions for enterprise integration problems

December 2011 – March 2013 | Software Engineer

- Member – Integration Technologies Team
- 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

GOOGLE SUMMER OF CODE | OPEN SOURCE CONTRIBUTOR

Jan 2011 – May 2011 | The Gephi Consortium

- Developed an automated Maven build to fasten the release process of Gephi, open source graph visualization and manipulation software. [[link](#)]

Jan 2010 – May 2010 | Apache Directory Studio

- LDAP diagnostic tool plug-in to Apache Directory Studio based on Eclipse RCP and PDE. [[link](#)]

OTHER

Jan 2008 - Present | Open Source Contributions

- Contributor to GraphViz Java API. [[link](#)] and Localization Contributor for Ubuntu, Sugar Labs, GNOME and Miro - since January 2008. [[link](#)]