Keheliya Gallaba

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keheliya@gmail.com | 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**
Home:// **ece.ubc.ca/~kgallaba**

SKILLS

PROGRAMMING
Good:
Java • JavaScript • Node.js
Shell scripting • Python • LaTeX
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

PUBLICATIONS

- **Don't Call Us, We'll Call You: Characterizing Callbacks in JavaScript**, Keheliya Gallaba, Ali Mesbah, and Ivan Beschastnikh. In Proceedings of the ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), 10 pages, 2015, [Best Full Paper Award]
- **Levi - A Workflow Engine Using BPMN 2.0**, Keheliya Gallaba, Umashanthi Pavalanathan, Ishan Jayawardena, Eranda Sooriyabandara, and Vishaka Nanayakkara. In Web Information Systems Engineering – WISE 2011 and 2012 Workshops, LNCS Vol. 7652, pp 118-130, 2013

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 Conitnuous 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
Open Source Contributions | GraphViz, Ubuntu, Sugar Labs, GNOME and Miro
- Contributor to GraphViz Java API. [link] and Localization Contributor for Ubuntu, Sugar Labs, GNOME and Miro - since January 2008. [link]