Keheliya Gallaba

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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]