

VIMUTH FERNANDO

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EDUCATION

- PhD, Computer Science** August 2016 - Present
University of Illinois at Urbana Champaign
Urbana, IL, USA
Advisor - Prof. Sasa Misailovic
- MSc, Computer Science and Engineering** August 2015 - August 2016
University of Moratuwa,
Katubedda, Sri Lanka
Advisor - Prof. Sanath Jayasena
- BSc, Computer Science and Engineering** August 2010 - August 2015
First Class
University of Moratuwa,
Katubedda, Sri Lanka

WORK EXPERIENCE

- University of Illinois at Urbana Champaign** August 2016 - Present
Research Assistant
Advisor : Sasa Misailovic
- University of Moratuwa** August 2015 - August 2016
Research Assistant
Advisor : Sanath Jayasena
Topic : Autotuning Multi-tiered Applications
- Google Summer of Code** April 2014 - August 2014
Intern
Contributor to Apache Software Foundation
Worked on evaluating and modularizing the build system for Apache Pig
- WSO2** Nov 2013 - Feb 2014
Software Engineering Intern
WSO2 Private PaaS Team
Worked on building a centralized logging and metering system for distributed containers

PUBLICATIONS

- Farah Hariri, August Shi, **Vimuth Fernando**, Suleman Mahmood, Darko Marinov, Comparing Mutation Testing at the Levels of Source Code and Compiler Intermediate Representation, *12th IEEE International Conference on Software Testing, Verification and Validation (ICST)*, 2019
- Keyur Joshi, **Vimuth Fernando**, Sasa Misailovic, Algorithmic Profiling for Randomized Approximate Programs, *41st ACM/IEEE International Conference on Software Engineering (ICSE)*, 2019
- Vimuth Fernando**, Antonio Franques, Sergi Abadal, Sasa Misailovic, Josep Torrellas, Replica: A Wireless Manycore for Latency-Critical Data, *24th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)*, 2019
- Vimuth Fernando**, Sanath Jayasena. Autotuning Multi-tiered Applications for Performance, *12th IEEE International Conference on Industrial and Information Systems (ICIIS)*, 2017

Vimuth Fernando, Milinda Fernando, Tharindu Rusira and Sanath Jayasena. Enhancing X10 performance by auto-tuning the managed java back-end, *2016 Sixteenth International Conference on Advances in ICT for Emerging Regions (ICTer)*, Negombo, 2016

PRESENTATIONS

Poster - Auto-tuning Multi-tiered Applications for performance
International Symposium on Code Generation and Optimization 2016 (CGO)
Barcelona, Spain

AWARDS AND ACHIEVEMENTS

ACM Student Research Competition - 2nd Runner Up
Graduate Student Category
International Symposium on Code Generation and Optimization 2016 (CGO)

Prof. V K Samaranayake Research Grant
Awarded by LK Domain Registry, Sri Lanka

Travel Grant
PLMW at PLDI'17

Dean's List
University of Moratuwa
2010, 2011, 2013, 2014

OTHER EXPERIENCE

Student Volunteer at SC'15 (The International Conference for High Performance Computing, Networking, Storage and Analysis) Austin, Texas

Teaching Assistant at University of Moratuwa
Operating Systems (CS2042), Computer Networks (CS 3032), Concurrent Programming (CS4532)

Attended Oregon Programming Languages Summer School 2017 (OPLSS'17)