

# VIMUTH FERNANDO

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## EDUCATION

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

## WORK EXPERIENCE

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

## PUBLICATIONS

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- 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

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

## AWARDS AND ACHIEVEMENTS

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**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

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**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)