Supun Nakandala

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EDUCATION

Jun 2010 - Apr 2015	BSc.Eng(Hon's) (COMPUTER SCIENCE & ENGINEERING) University of Moratuwa - Sri Lanka Cumulative GPA: 4.11/4.20 Ranked first in a batch of 100 students specializing Computer Science & Engineering.

PUBLICATIONS

	Nakandala, S., Giovanni, C., Norman, S., Ahn, Y., "Gendered Conversation in a Social Game-Streaming Platform". [Submitted to 26'th International World Wide Web Conference 2017] (pdf: https://goo.gl/FaOlXW, press releases: https://goo.gl/YE0dyn)
Nov 2016	**Nakandala, S.**, Pamidighantam, S., Marru, S. and Pierce, M. "Better Data Discoverability in Science Gateways". In Proceedings of *11'th Gateway Computing Environments Conference 2016 (GCE)*. [Extended Abstract] (pdf: https://goo.gl/YdZmZ6)
Oct 2016	**Nakandala, S.**, Gunasinghe, H., Marru, S., Pierce, M. "Apache Airavata Security Manager: Authentication and Authorization Implementations for a Multi-Tenant eScience Framework". In Proceedings of *IEEE 12'th International Conference on eScience 2016*. (pdf: https://goo.gl/5lTtm2)
Jul 2016	**Nakandala, S.**, Pamidighantam, S., Yodage, S., Doshi, N., Abeysinghe, E., Kankanamalage, C.P., Marru, S. and Pierce, M. "Anatomy of the SEAGrid Science Gateway". In Proceedings of *Extreme Science & Engineering Discovery Environments Conference on Diversity, Big Data, and Science at Scale 2016 (XSEDE) (p. 40). ACM*. (pdf: https://goo.gl/oytirb)
Jun 2016	Pamidighantam, S., **Nakandala, S.**, Abeysinghe, E., Wimalasena, C., Rathnayaka, S., Marru, S. and Pierce, M. "Community Science Exemplars in SEAGrid Science Gateway: Apache Airavata Based Implementation of Advanced Infrastructure". In Proceedings of *Workshop on Computational Chemistry and Its Applications - International Conference on Computational Science 2016 (ICCS)*. (pdf: https://goo.gl/btjjAK)
Apr 2015	**Nakandala, S.**, Withana, S.D., Kumarasiri, D., Jayawardena, H., Bandara, H.D., Perera, S., Marru, S. and Pamidighantam, S. "Schema-independent scientific data cataloging framework". In Proceedings of *Moratuwa Engineering Research Conference (MerCon) 2015 (pp. 289-294). IEEE*. (pdf: https://goo.gl/tQlsVc)
Dec 2014	**Nakandala**, S., Withana, S., Kumarasiri, D. and Jayawardena, H., "A Study on SSD Aware Scan Operation Optmization in PostgreSQL Database". In Proceedings of *Information Technology Research Unit (ITRU) Symposium 2014 , (pp. 16 - 19), University of Moratuwa Sri Lanka*. (pdf: https://goo.gl/PIzYuU)

TEACHING EXPERIENCE

May 2015 - Aug 2015	Teaching Assistant for Operating Systems Course (CS 2042), CSE-UoM. The objective of this course was to provide fundamental knowledge in Operating Systems to computer science students. My tasks included providing instructions for the labs and grading assignments.

Work & Internships

Oct 2015 - present	**Research Software Developer - Science Gateways Research Center, Indiana University** Program committee member and core developer in the Apache Airavata project which is a science gateway middleware framework that enables users to compose, manage, execute, and monitor large scale applications and workflows on distributed computing resources such as local clusters, supercomputers, computational grids, and computing clouds.
May 2014 - Sep 2014	**Google Summer of Code Intern for Apache Airavata** Before this work Airavata did not support security capabilities for communication between Airavata based gateways and the Airavata server. In this project I implemented security capabilities to Airavata thrift services and clients (link: `https://goo.gl/4qAS3X`).
May 2013 - Sep 2013	**Google Summer of Code Intern for phpMyAdmin** Refactored the SQL executor and column structure manipulation code in phpMyAdmin, which is an open-source web based interface for the MySQL databases (link : `https://goo.gl/JNk3vM`).

Honors, Awards & Scholarships

Aug 2015	IBM Gold Medal for the Best Academic Performance in Computer Science & Engineering - University of Moratuwa.
May 2014	Scholarship to attend 4th South Asia Workshop (2014) on Research Frontiers in Computing - NUS School of Computing
Aug 2010 - Apr 2015	Mahapola Higher Education Merit Scholarship for Undergraduate Studies - Government of Sri Lanka.
Nov 2009	Award for the Most Outstanding Student - De Mazenod College (High School).
Mar 2009	President's Scout (Eagle Scout Equivalent) - Sri Lanka Scout Association.

Leadership & Extra Curricular Activities

2014	Membership Co-Chair, ACM Student Chapter - University of Moratuwa.
2011	Editor, Sri Lanka University Catholic Students Movement.
2008	Head Prefect, De Mazenod College (High School).