Andun S.L. Gunawardana

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○ Profile

I am an enthusiastic person who loves to explore the world of computer science engineering. I am highly motivated and committed towards accomplishing the tasks assigned to me. I am determined in pursuing success within the way I proceed.

○ Career Objective

To pursue a highly rewarding career in Computer Science and Engineering, seeking for a position in challenging and healthy work environment where I can utilize my skills and knowledge efficiently for achieving personal as well as organizational growth.

○ Academic Qualifications

- Department of Computer Science and Engineering, University Of Moratuwa
  - 4th year Undergraduate
  - Current Overall GPA of 3.63

- St. Aloysius' College Galle
  - Passed GCE A/L 2008 with a Z Score of 2.5171
  - Passed GCE O/L 2004 with 9 A passes

○ Software Engineering Internship at WSO2 Lanka (Pvt) Ltd

- Successfully completed 7 months of internship as a member of WSO2 Application Server team.
- Major project,
  - Streaming XPath Parser for WSO2 ESB
    Link - http://goo.gl/iSphQ
  - XACML Servlet Filter for WSO2 Application Server
    Link - http://goo.gl/ucVGk
  - Fast XSLT Mediator for WSO2 ESB
  - Patch management system for WSO2 Support Team
  - Test Automation for WSO2 ESB

Technologies – Java, SOAP, XPath, XACML, JSP, JavaScript

○ Google Summer of Code 2013

- Project focuses on implementing a HTML5 Whiteboard for Apache OpenMeetings.

Technologies – Apache Wicket, HTML5, JQuery, Java
Link - http://goo.gl/z083x

○ Sith - Final Year Research Project

- Sith is a crowd sourced perception capturing and analysis platform. This project focuses on   creating a SaSS(Software as a Service) human capturing and perception analysis based on data mining and complex event processing.

  Technologies – Complex Event Processing, Map reduce, NodeJS, MongoDB, Hadoop,Android,JAVA,J2EE, JavaScript
  Link - http://andunslg.github.io/Sith/

○ Other Technological Projects

- Travel Ceylon: Intelligent Travel Planner for Sri Lanka which runs on Android using a backend web services.

  Technologies – Java, Apache Axis 2, XML, Android
  Link - http://goo.gl/AkkTQ

- Lead Organizer: **IPv6 Day 2011Conference - Sri Lanka** organized by The Department of Computer Science and Engineering of the University of Moratuwa and the IESL.

  Technologies – IPv6, JSON, PHP, HTML
  Link -http://www.ipv6day.lk/

- Organizer: **Cyber Security Drill 2011**organized by the Department of Computer Science and Engineering of the University of Moratuwa, in collaboration with TechCERT: A Division of .LK Domain Registry.

  Link - http://www.techcert.lk/drill/

- Tank Game – A 3D artificial intelligent Game which plays against opponents on its own.

  Technologies – C#, XNA 4.0
  Link - http://goo.gl/LZ8wm

- MYJE - Navigation System for Sri Lanka and its robotic simulation which was build targeting EXMO 2010 exhibition and Innovation CSE 2010 competition.

  Technologies – C, C#
  Link - http://goo.gl/6DGbX

- Hacking JOSH –Operating System which have a simple kernel and a simple shell which can show hardware details of a computer.

  Technologies –x86 Assembly
  Link - http://goo.gl/WrBu6

- Intelligent Traffic Light System - This project focuses on developing a dynamically adopting traffic light system depending on the traffic level. Also this system has the manual override capability.

  Technologies – Electro Magnetic Sensors, PIC, C, C#
  Link - http://goo.gl/RyTeP

- IESL RoboGames 2010 – Successfully Competed

Other Projects

- Lead Organizer: **Careers Day 2013** of Department of Computer Science and Engineering, University Of Moratuwa
- Lead Organizer: **RoboCross 2011 Competition & CSE Exhibition Stall** at Mini Infotel 2011 organized by FITIS and Telecommunication and IT Ministry and the Presidential Task Force for IT.
  Link - http://www.fitis.lk/infotel-2011.jsp
- Organizer: **Engineering Research Unit Symposium, University Of Moratuwa**.
- Organizer: **Dayata Kirula 2011** CSE's Exhibition Stall.
- Organizer: Gamana –The Media Day of the School.
- Lead Organizer: Vibez 2011 – The fresher's welcome for the CSE Department.
- School's Premier 3D animation creator, Video Editor from 2004 to 2008.

Achievements

- **Dean's List** of the faculty in 1st and 4th semester.
- **Oracle Certified Java Programmer** with 95 marks for the OCJP 1.5 exam.
- Successfully complete **IEEEXtreme Programming Competition** in 2010, 2011 and 2012 winning world ranks.
- Elected as a **Batch Representative** of the batch 09 of Department of Computer Science and Engineering, University Of Moratuwa
- Was selected as student delegate for the **WSO2 Con 2011, WSO2 Con 2013.**
- Was selected as one of the **best 50 students in the Combined Mathematics** subject in **2008 A/L examination**.
- Won the **school's best performer** medal in the mathematics stream in **A/L examination 2008** with a Z score of 2.5171.
- Elected as **Junior Prefect** of the school – 2003 to 2004

Interests

Technological

- Cloud Computing
- SOA and Middleware
- Data Mining
- Intelligent Systems
- Big Data
- HCI
- Advanced applications of robotics and automation
- Reverse Engineering
- Embedded Systems

Other

- Teaching
- Compeering
- Buddhism
- Learn about bringing Sinhala to a globally recognized position

Extra Curriculum Activities

- University Of Moratuwa
  - Member of **IEEE**
  - An active Member of the **University's Buddhist Society.**
- St. Aloysius' College Galle
  - President of the **Schools IT club** – 2006 to 2007
  - Vice President, Assistant Secretary, Chief Technical Officer of the **School's Mass Media Unit** -2003 to 2008
  - Vice President of the school's **Science Society** – 2006 to 2007

Referees

- **Mr. Samisa Abeysinghe,**

  Vice President - Engineering   E-mail: samisa@wso2.com
  WSO2 Lanka (Pvt) Ltd

- **Dr. Shahani Markus Weerawarana,**

  Computer Scientist   Mobile: +94777876881
  Visiting Fellow, University of New South Wales, Australia.   Email: shahani.w@gmail.com
  Visiting Scientist, Indiana University, USA.
  Visiting Lecturer, University of Moratuwa & Kotelawala Defense University, Sri Lanka.

I hereby certify that the above details are true and accurate to the best of my knowledge.

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