

Don Dimungu Arachchige Chathura Jeewaka Jayalath

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Objective	To serve science and humanity while enjoying a life of an enthusiastic academic.
Education	University of Colombo School of Computing B.Sc. (Computer Science) with Honours G.P.A: 3.5 Obtained Class: First Class Period of study: 2009-2014
Research Experience	Final (4 th)Year Research Thesis: Modelling of Group Behaviours within Crowd Simulations: An Agent Based Approach The research focuses on identifying the effect of companions on the decision making of a person. It contributes an agent based architecture, for simulating primary social groups within crowds. Real world events were compared against their simulations for evaluating the level of realism.
Work Experience	<ul style="list-style-type: none">• Temporary Assistant Lecturer (June 2014 – Present) University of Colombo School of Computing (http://ucsc.cmb.ac.lk) Lecturer for :<ul style="list-style-type: none">○ CS1002 Introduction to Computing○ SCS3113/IS3012 Game DevelopmentTutorials, Assignments and Mentoring for :<ul style="list-style-type: none">○ F101 07 Internet and Communication○ SCS1108 Data Structures and Algorithms II○ SCS1109 Programming II○ SCS2008 Numerical Computing○ SCS2102/IS2002 Software Development Group Projects Assignment• Temporary Instructor (February 2014 – June 2014) University of Colombo School of Computing Tutorials, Assignments and Mentoring for:<ul style="list-style-type: none">○ SCS1101 Data Structures and Algorithms I○ IS2004 Web Application Development○ SCS2102/IS2002 Software Development Group Projects Assignment• Trainee Associate Software Engineer (April 2012 – September 2012, <i>Internship</i>) SimCentric Technologies (www.simct.com) Worked in <i>VBS2Fusion</i> development team (VBS, C++, DirectX, HLSL, Win32API).

Some Software Projects	<ul style="list-style-type: none"> • The Curse of Thaprobana (Game Demo) http://www.youtube.com/user/TheDeamonpog/videos Project leader, programmer and the character rigging artist of the demo game. Exhibited at IFO++ exhibition. Mainly used <i>UDK, Maya and Flash</i>. • Monitoring and Tracking Children’s Computer Activities https://sourceforge.net/p/mtcca/ Project leader, architect and programmer of this content control and monitoring software. Mainly used <i>C#,MSAccess and Win32API</i>. • A Student Management System Architect of a commercial student management software for a private institute. • Alchemy Ingredient Helper www.nexusmods.com/skyrim/mods/59711 Utility software for award winning game, <i>The Elder Scrolls V: Skyrim</i>. Customizable for using with similar alchemy systems. Currently has 10 endorsements and 62 downloads at Nexus community. Mainly used <i>C#,WPF and MSAccess</i>.
Skills	Programming (good in C++) Teaching Computer Graphics and Game Developing (experience with UDK) 3D Modelling and Animating (experience with Maya)
Related Interests	Learning, Teaching, Research, Virtual Reality, Artificial Intelligence, Games, Mathematics, Physics
Related Activities	<ul style="list-style-type: none"> • Member of ACM since December 2014 • Member of IEEE since September 2012 • Participated <i>IEEE Xtreme 8.0</i> competition as the proctor for eight teams in 2014 • Participated <i>IEEE Xtreme 6.0</i> competition as a competitor in 2012. • Participated on a radio broadcast of SLBC radio representing UCSC in 2010 for a live discussion about computer related threats. • Writing tutorials on game development (www.ddacj.info/tutorials) • Conducted a seminar on “Introduction to Game Developing” at the IFO++ exhibition (UCSC: 2010)
Referees	
Dr. Prasad Wimalaratne BSc(col), PhD(Salford), SMIEEE Senior Lecturer University of Colombo School of Computing Reid Avenue, Colombo 7. Email: spw@ucsc.cmb.ac.lk Phone: 011 2581245	Dr. Ruwan Weerasinghe BSc(col), PhD(Cardiff) Senior Lecturer University of Colombo School of Computing Reid Avenue, Colombo 7. Email: arw@ucsc.cmb.ac.lk Phone: 011 2589123

I hereby certify that the above particulars are true and correct to the best of my knowledge.

D.D.A.C.J. Jayalath

20th of December, 2014