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INTERESTS

- Human Computer Interaction, Computer Vision, Responsive Environments and Computer Sensing.

EDUCATION

- **University of Westminster** **London, UK**
B.Sc. (Hons) in *Software Engineering*, 2009 2005-2009
First Class Honours

Thesis: *iDisplay - A Computer-Vision Based Solution to Retrofit Existing Flat Displays into Interactive Surfaces* [<http://www.soundofcode.com/idisplay.html>].

PUBLICATIONS

- **2009**
L. Priyadarshana. *iDisplay: A Computer-Vision Based Solution to Retrofit Existing Flat Displays into Interactive Surfaces*. (BSc. Thesis). Informatics Institute of Technology, Sri Lanka. 2009.
- **2011**
Lahiru L. Priyadarshana, Kulari De Silva Lokuge. *InteractiveDisplay: A Computer-Vision-Based Solution to Retrofit Existing Flat Displays Into Interactive Surfaces*. ISCI 2011 IEEE Symposium on Computers & Informatics, Kuala Lumpur, Malaysia. March 2011.
[<http://dx.doi.org/10.1109/ISCI.2011.5958988>]

WORK EXPERIENCE

- **Founder, Director – Kreyonic (PVT) Ltd** [www.kreyonic.com]
(Oct 2011 – Present)
 - Kreyonic is a digital interactive media company focused on delivering interactive cutting edge technology to end-users.
- **Software Engineer – Bioinformatics for Global Goods, Tokyo, Japan**
(Sep 2010 – Oct 2011)
 - Worked on a medical imaging application for Transmission Electron Microscopy (TEM) images. It used an Active Contour Modelling (ACM) algorithm for fragmentation and generated a detailed 3D mesh structure of cell and sub-cell bodies. [<http://www.biggyjapan.com/english/2d-3d-contour-extraction/>]

- **Software Engineer - WSO2 Lanka (PVT) Ltd** [wso2.com]
(Nov 2009 – Sep 2010)
 - Worked in the Business Activity Monitor (BAM) team.
 - Researched and developed a JavaScript framework for data visualization needs.
- **Software Engineer - Research & Development – Gamos Technology Solutions (GTS)**
(July 2009 – Oct 2009)
 - Researched and developed Sri Lanka's first surface computing system (multi-touch table).
 - Developed Flash/ActionScript 3 applications for multi-touch tables.
 - Developed Flash/ActionScript 3 PC games that can be played using a Wii remote.
- **Associate Software Engineer – Informatics International Ltd, Sri Lanka – Java Unit**
(March 2006 – Dec 2007)
 - Developed web applications using Java technologies
 - JSP, JSF, Struts, Oracle ADF Faces
 - Worked fulltime while following the degree as a part-time student
- **XUL Developer – Ulteo** [www.ulteo.com]
(Dec 2007 – May 2008)
 - Research and Developments using XUL and AJAX
 - Worked while attending the university
- **Freelance (Open Source) Programmer**
 - C++/Qt Developer at RaptorMenu (KDE) (Sep 2007 – Feb 2008)
 - C++/Qt developer at KBFX [[http://en.wikipedia.org/wiki/KBFX_\(KDE\)](http://en.wikipedia.org/wiki/KBFX_(KDE))]
(May 2007 - Present)
 - C++/Qt widget developer at PlexyDesk [<http://code.google.com/p/plexydesk>]
(Jan 2008 - Present)
 - Firefox Extension and Plug-in developer (Jan 2008 - Present)

SKILLS

Computer Languages:

- Majoring in C and C++
- Proficient in Java, .NET (VB/C#), HTML/CSS, Perl, Python, PHP, UNIX Shells, JavaScript

APIs & Libraries:

- OpenCV, OpenFrameworks, OpenGL, Qt, GTK, Google APIs. (Used OpenCV as the main image processing library and OpenFrameworks as the main software framework for the undergraduate project – iDisplay).

Operating Systems:

- GNU/Linux (Debian, Fedora Core), Windows XP/Vista/7, Mac OS X

Source Control:

- Git, SVN, CVS, Visual source Safe

Web Service platform:

- Languages Skills: Proficient in, PHP4/PHP5, Perl, Python, Java
Moderate skills in ASP.Net
- Frameworks: Java EE, Java SE based technologies
- DBMS: Oracle, MySQL, PostgreSQL, SqlLite3, Microsoft SQL Server 2000
- Web Client Tools: JavaScript, XUL, AJAX, Action script
- Web Standards: HTML/XHTML, CSS, SVG, RDF, DOM

Graphics Designing, Animation & Video Editing Software:

- Proficient in Adobe Photoshop, GIMP. Moderate skills in Corel Draw, Adobe Flash, Adobe Premiere, 3D Studio Max, Maya, Poser, Google SketchUp.

ACHIEVEMENTS AND ACTIVITIES

- National Best Quality Software Awards (NBQSA) 2009, **Gold** - in the Tertiary Category for iDisplay.
- A Special Award for the Best Product Developed Using Open Source Technologies at the National Best Quality Software Awards (NBQSA) 2009 for iDisplay.
- Merit Award at the Asia Pacific ICT Awards (APICTA) 2009 – in the Tertiary Category for iDisplay.
- Nominee from Sri Lanka in Asia Pacific ICT Awards (APICTA) 2009 held in Melbourne Australia.
- Academic Excellence Award, First Prize for the best final year undergraduate project at IIT Cutting Edge Exhibition 2009.
- Google Summer of Code – 2007
[<http://code.google.com/soc/2007/lanka/appinfo.html?csaid=94A0240448F4261C>]
Contributed to project KBFX as a C++/Qt Developer and implemented keyboard navigation support with Task Oriented Menu (TOM)
- Google Desktop Gadget Developer
[<http://desktop.google.com/author/1.html?hl=en>]
- Google Desktop API Guru
[<http://googledesktopapis.blogspot.com/2007/07/apigurus.html>]
- Google Desktop Student Ambassador
[<http://desktop.google.com/ambassadors?hl=en>]
- Mozilla Firefox Student Ambassador
- Mozilla Firefox Developer: Extensions & Plug-ins
- Current Contributor of the Online IT Magazine “diGIT”
[<http://www.digit.lk>]

- Developer PlexyDesk [<http://code.google.com/p/plexydesk/>]
- Core Developer GDKit [<http://code.google.com/p/gdkit/>]
- Presentation on Google Summer of Code at Free Software Conference at Informatics Institute of Technology, Sri Lanka in Oct 2008
- Main organizer and the host of the local Google Desktop gadget competitions: IIT Google Desktop Developer Challenge I and II [<http://gdc.appspot.com/>] (Google Desktop Ambassador event)
- Runners-Up, Best 3D animation. CSITTS national competition 2003.

REFERENCES

Assoc. Professor Alfred Perera

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369, Stud road, Wantirna, Victoria 3152,
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Mr. James Yum

Developer Programs Engineer,
Google Desktop.
Email: jyum@google.com

DECLARATION

I hereby declare that the above-mentioned information is true and correct to the best of my knowledge.

Lahiru Lakmal Priyadarshana