

Tharindu Lakkhana Mallikarachchi

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EDUCATION

University of Colombo School of Computing

(2009 - 2013)

BSc in Computer Science (pending)

Current GPA: 3.39

Some notable course modules

- Distributed Systems
- Advanced Computer Graphics and Vision
- High Performance Computing
- Computer Systems Architecture
- Compilers and Automata Theory

Ananda College, Colombo

(1994 - 2008)

GCE Advanced Level (Mathematics) – 2008

GCE Ordinary Level – 2004

SKILLS

- Experienced in C++, Java, PHP and Matlab.
- Sound knowledge of underlying theories and concepts in Computer Science.
- Ability to learn new concepts and technologies within a short period.
- Willingness to solve challenging problems.
- A good team player.

WORK EXPERIENCE

Trainee Software Engineer (6 months)

(APR 2012 - OCT 2012)

SimCentric Technologies (Pvt) Ltd. (previously named as Velocity Studios)

Project: VBS2Fusion

A Visual C++ API for interact with the VBS2 military simulation environment.

- Developed new API functions and fixed issues in existing API functions.
- Took a part in restructuring the API in order to increase performance and usability.
- Actively participated in project meetings.
- Learnt computer graphics and simulation related concepts.

Technologies:

- Visual C++
- High Level Shader Language (HLSL)
- DirectX

PROJECT EXPERIENCE

- **Image reconstruction to identify license plate numbers in low resolution videos** - Final year research project (in progress).
 - Focused on finding a statistical model to improve the video frames of surveillance camera videos in order to visually identify license plate numbers. The targeted number plates are very small (10x20px) where the numbers are not identifiable visually.
 - A prototype application developed using Matlab.

Underlying theories:

- Bayesian Inference
- Super Resolution and Blind Deconvolution

- The leader of the 3rd year group project which is a web based **student management system** for the university.

Technologies:

- Symfony2 - PHP Framework (MVC architecture based)
- Doctrine - PHP Object Relational Mapper (ORM)
- Git - Version Control System

- Member of the group whom developed a **3D action-adventure game** called “*Curse of Thaprobana*” for “*IFO++ 2010*” exhibition organized by UCSC.

Technologies:

- Unreal Development Kit – Game Engine
- 3D Studio Max

- Involved in developing and deploying a **document and reservation management system** for Faculty of Medicine, University of Colombo. The project was carried out by the Computer Science Society of University of Colombo. (<http://dms.med.cmb.ac.lk>)

Technologies:

- Wordpress – Content Management System(CMS)
- phpScheduleIt - Reservation and scheduling system
- TortoiseSVN – Version Control System

EXTRA CURRICULAR ACTIVITIES

- Student representative of the Board of Study for Internal Undergraduate Degree, UCSC (2011/2012)
- Contributed for ICT workshops in rural areas organized by Exploration Club and CompSoc, UCSC.
- Sinhala news editor, news reader and announcer of Broadcasting Unit, Ananda College (2002/2007)
- Co-ordinator of Sinhala Debating & Oratory Society, Ananda College (2005/2006)

REFEREES

Dr. Anuja Dharmaratne

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I hereby certify that above mentioned information is true and accurate to the best of my knowledge.

H.M.T.L. Mallikarachchi

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