

# Arunan Rabinδran

828 S Claremont Ave

Apt #2, Chicago, IL 60612

Mobile: 312 7512016

[r.arunan@gmail.com](mailto:r.arunan@gmail.com)

[www.arunan.net](http://www.arunan.net)

## EDUCATION

### University of Illinois at Chicago

Chicago, IL : MS Computer Science

Cumulative GPA: 3.7

Fall 2005 - Present

### RMK Engineering College, Anna University

Chennai, India : BE Computer Science & Engineering

Cumulative GPA: 3.6

Aug 2001-May 2005

## COURSES

Computer Graphics-I, Multimedia Systems Design, Video Game Design & Programming, Virtual Reality, User Interface Design & Programming, Special Topics: GPU Programming, Computer Animation

## JOB EXPERIENCE

### Graduate Research Assistant

Systems & technology consultant at the College of Business, Computing services' CBA helpdesk. Provided technical support which included but was not limited to troubleshooting PC problems, network management, building PCs from scratch and advise on other technical difficulties.

Fall 2005-Present

### Project Trainee

Developed a module for an automatic cricket score generator Sify Ltd., Chennai using XML and VB 6.0.

Dec 2004-Feb 2006

## PROJECTS

### Engineer Eggy

A small one minute computer animation for the Computer Animation class (CS 527). Anim8or ([www.anim8or.com](http://www.anim8or.com)), a free 3D modeling/animation tool was used to create the animation.

Fall 2006

### GLSL Projects

A series of projects for the GPU Programming class, using GLSL and C/C++. A brick shader, water shader were part of the projects. There was also a final project that involved in implementing a fancy billboard using the GPU. (Special Topics: GPU Programming)

Spring 2006

### User Interface for CTA Stations

A group of 3 people (Marco Bernasconi, Vijay Krishnamoorthy and I) designed a user interface for an information kiosk as part of the major project in the CS488 class. Attention was paid to the user-interface rather than the implementation : Interactive maps, visually appealing interfaces and support for 1 other language/disabled was also thought out.

Spring 2006

### Under Pressure : Multimedia Design

A scientific learning environment for kids (5-8 grade) which was designed closely based on the book by Paul Dourish: "Where the Action Is...". The group of four (Jason Braasch, Jiexin Lian, Robert Kooima and I) worked to design the environment and a short simulation was done by Robert Kooima.

Fall 2005

**Kaboom the Talking Cannon****Fall 2005**

A simple Third Person 3D game based on a original character called Kaboom, which was a talking cannon. I was the project manager/programming lead , Manisha Rajkumar was the AI Programmer & Chun Yeung Ng was the Lead Artist. Electro ([www.evl.uic.edu/electro](http://www.evl.uic.edu/electro)) a 3D/2D graphics development tool developed by Robert Kooima, a PhD student at EVL, UIC was used to develop the game.

**Cricket Museum****Fall 2005**

A Virtual Museum developed for the C-Wall at the Electronic Visualization Lab with hand/head tracking in which the user can use a virtual cricket bat to hit some shots. A group of 3(Julian Yu Chung Chen, Yiwen Sun and I) developed the virtual environment using electro.

**LEADERSHIP EXPERIENCE****President****2006-2007**

INDIAN GRADUATE STUDENTS ASSOCIATION, UIC

Co-ordinated and helped in conducting various cultural and social events involving the Indian student community at UIC.

**Program Committee Chair****Fall 2006**

STUDENTS ACTIVITIES FUNDING COMMITTEE, UIC

Responsible for managing ticket sales, advising the committee about ticket subsidies <To Do>

**SKILLS/TRAVELS****Operating Systems**

Windows, Linux, Mac OSX

**Programming**

C, C++,Java,GLSL,HTML,NVidia Cg

**APIs & IDEs**

OpenGL, GLUT, SDL, DirectX, FLTK, lex, yacc, C++ STL, Cocoa/Carbon for Mac  
libjpeg, libpng, freetype2, MS Visual Studio, XCode2, Electro

**Software**

Adobe Photoshop, Macromedia Fireworks/Dreamweaver, Wings3D, Anim8or,  
3DSMax, gmax, Milkshape3D, ATI Rendermonkey, OpenGL Shaderbuilder

**Scripting tools**

Lua, XML, JavaScript, VBScript, PERL, Python, PHP

Traveled to UK, Cambodia, Thailand, Singapore & originally from India.

**REFERENCES**

available upon request