

Sunil Kamat

4105, Spruce Street, Apt A2, Philadelphia, PA 19104
(215) 834 7317; ksunil@seas.upenn.edu; <http://www.sunilkamat.com>

Education

Candidate for Master of Science in Engineering: Computer Graphics and Game Technology (CGGT), Summer 2010, University of Pennsylvania, School of Engineering and Applied Science, Philadelphia, PA.

Bachelor of Engineering in Computer Science, June 2005, Visveswaraiiah Technological University, Karnataka, India.

Professional Experience (3.5 Years)

T.C. Chan Center for Building Simulation Studies, Philadelphia, PA (October 2009 – April 2010)
Web Developer (Java, GWT, MySQL, HTML, XML, CSS)

- Development of Web Application for QSAS (Qatar Sustainability and Assessment System)
- Bug Fixing of existing functionalities in QSAS Commercial
- Complete documentation of the system including database design and application design flow.

Adobe Systems, San Jose, CA (Summer Internship, 2009)

Software Engineering Intern (AIR, Flex, PHP, MySQL, MXML, XML)

- Designed and Developed an AIR (Adobe Integrated Runtime) application to create, manage and manipulate URL relations to perform In-Context Navigation (ICN) for any client.
- Designed a database schema and developed to support ICNs.
- Server Side scripting to support nearly 32 functionalities implemented using PHP.
- The application will be part of Adobe Labs Release in February.

Adobe Systems, Bangalore, India (March 2007 – August 2008)

Software Quality Engineer (L2) (Flash ActionScript, C++, MXML, XML)

- Worked on FlashLite, which is the Flash application for Mobile devices; and on FlashCast, which is an application having client-server architecture built on top of FlashLite.
- Developed flash media files using ActionScript APIs to test the functionality of the application.
- Developed test cases and scenarios for testing functionalities like text, rendering, audio, video, navigation, networking and security related ActionScript features.
- Developed a Key Recorder using Windows HOOKS APIs. It is a C++ application which was added as an additional feature to the existing automation tool named Locksmith to further improve the testing and process time.
- Developed a Bug Report and Analysis Tool (BRAT) using Adobe Flex.

Infosys Technologies Limited, Bangalore, India (June 2005 – March 2007)

Test Engineer, Automation (C, ASP, HTML, SQL, PERL)

- Worked on the AMDOCS Billing System (Ensemble) used by Nextel Partners.
- Developed test cases and scenarios based on the product requirement documents.
- Automated the desktop billing system using Winrunner and PERL.
- Automated the online part of the system using QTP.
- Developed an internal project portal using HTML, ASP and Oracle to maintain the latest updates.

Visveswaraiiah Technological University, India (June 2001 – June 2005)

- Created a 'Student Information Portal' using HTML/ASP and Oracle. (Summer 2004)
- Created a 3D model of our college digital library using 3DSMAX and MAXScript (Spring 2004)
- Developed a CD page using Adobe Flash, FlashScript and ASP (Spring - Summer 2003)

Computer Skills

Languages:	MXML (Flex), Java, GWT, SQL, ActionScript (Flash), PHP, ASP, PERL, OpenGL, HTML, CSS, C++
Databases:	MySQL, MSSQL, Oracle, MS Access
Servers:	Apache, IIS, Glassfish
Testing Tools:	Test Director, Watson, Watson Express
Automation Tools:	WinRunner, Quick Test Professional
Web/Multimedia Authoring:	Adobe Dreamweaver, Flex, Flash
Version Control Tools:	Perforce, SVN
3D/Graphics packages:	MAYA, 3D Studio Max, Motion Builder, Gamebryo
Platforms:	Windows, Symbian, Brew, Windows Mobile

Course Projects

- *Missile Command 3D (Gamebryo)*: 3D version of the classic missile command game (under development)
- *ChronoNinja (Gamebryo)*: Third person puzzle game in 3D under development using Gamebryo APIs.
- *Volume Renderer (OpenGL)*: Application to create smoke/clouds or pyroclastic puffs and interact with light
- *Ray Caster (OpenGL)*: Application to create 3D room editor and ray cast views.
- *3D Modeling/Animation (Maya 8.5)*: Modeled, Rigged and Animated characters and environments.

Personal Milestones

- Adobe Certified Expert in Flash Technology (**ACE**).
- STAR award in recognition of my excellent performance in Automation in Infosys.
- ACES award for the contribution in the page design for the university CD.