

# 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), May 2010**, University of Pennsylvania, School of Engineering and Applied Science, Philadelphia, PA.

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

## Professional Experience (3.5 Years)

**T.C. Chan Center for Building Simulation Studies, Philadelphia, PA** (Part Time – Fall 2009)  
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

**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.

**Visveswararajah 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

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

## Current 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.