

## **Priyesh Dixit**

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### **Skills:**

Languages: C++, C#, Java

Platforms: PC, Mac, Linux, Xbox360, Nintendo DS

API: OpenGL, XNA, DirectX

### **Education:**

University of North Carolina at Charlotte

- M.S. Computer Science in May 2008
  - With Game Design and Development Certificate
- B.S. Computer Science (May 2006)
  - Magna cum laude
  - Cumulative GPA of 3.85/4.00

### **Work Experience:**

Pacific Northwest National Lab (June 2005 – August 2005)

- Position: Intern
  - Augmented existing C++/OpenGL code
  - Developed 2D and 3D visualizations of biological data including histogram, heat map and time-varying height map

### **Publications:**

Optimal Information Placement in an Interactive 3D Environment

*Priyesh N. Dixit, G. Michael Youngblood*

- Sandbox Symposium (August 2007)

Understanding Intelligence in Games using Player Traces and Interactive Player Graphs

*G. Michael Youngblood, Priyesh N. Dixit*

- Game Programming Gems 7, Chapter 3.5, pgs. 265-280 (2008)

### **Projects:**

Masters thesis research project (Spring 2007 – Spring 2008):

Advisor: G. Michael Youngblood, Ph.D.

Common Games Understanding and Learning toolkit (CGUL)

- Researched and developed game analysis techniques and tools

Game Design and Development Studio team project (Spring 2007):

“EleMental”: A first-person multiplayer action game

- Deployed game to the XBOX 360 using XNA

Intro to Game Design team project (Spring 2005):

“Wrath of Abarnare”: an action RPG with custom engine

- Programmed a custom 3d graphics engine in OpenGL and C++

Visualization of activity on an FPGA (Fall 2004 – Spring 2005)

- Created a visualization application in C++, VTK, FLTK, and OpenGL to show the changes in activity and power consumption on a circuit during the execution of an algorithm

**Recognitions:**

Placed 2<sup>nd</sup> in 2007 Graduate Research Fair presentation competition  
Chancellor's list at UNCC, Spring 2003 to Fall 2005

**Extra-Curricular Activities:**

Association for Computing Machinery (Fall 2004 - Fall 2007)

- Participated in Regional programming contest
- (Fall 2004, 2005 and 2006)
- Placed within the top ten teams in 2005 and 2006
- President of UNCC chapter (Spring 2005 – Fall 2006)

**Status:** U.S. Citizen