DIMITRI ROCHE

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EXPERTISE

SKILLS	C / C++ (6yrs)	Java (2yrs)	HLSL	DirectX
APPLICATIONS	Visual Studio	Photoshop	Maya	Vi !
PLATFORMS	Windows	FreeBSD	RedHat	

EDUCATION

University of Miami   Coral Gables, FL
Master of Science in Computer Science   May 2007
        Graduate Assistantship   GPA 4.00
Bachelor of Science in Computer Science, Minor in Mathematics   May 2005
        General Honors, Computer Science Honors   GPA 3.55

EXPERIENCE

Master's Thesis   10/2006 - Present
A Million Agents   University of Miami
Millions of autonomous agents are processed on graphics hardware and rendered in real-time to observe
Amorphous Computing on a grand scale.

Programmer, Modeler   1/2006 - Present
PROJECT, Independent Games Festival (IGF) Entry
Currently developing a third person mutliplayer title on the PC to compete in the IGF competition. The graphics
boast features such as celshading, geomorphing terrain, shadow mapping, and cloud impostors.

Programming Intern   7/2006 - 8/2006
Heavy-Iron Studios / THQ   Los Angeles, CA
Ported features from the old generation engine (XBox, PS2) to the next generation multi-threaded engine for an
unannounced Pixar Game.

Game Programmer   1/2006 - 6/2006
Experimental Gameplay Project
Developed three games in DirectX each under one week to experiment with the gameplay mechanics of a
particular theme. Won the first Experiemental Gameplay Contest based on the theme 'consume'.

Java Application Developer   1/2004 - 5/2005
University of Miami Information Technology   Coral Gables, FL
Created a variety of in house production tools and completed the University of Miami's Report Distribution System,
a web application that manages all scans of the school's reports for IT employees.

LEADERSHIP

Founder   1/2006 - Present
Bad Influence Software
Sought out campus talent to pursue the Independent Games Festival Grand Prize. This diverse body ranges from
Motion Capture Animators in the BioMechanics department, to Music Composition alumni from the Music School.

President   4/2004 - 5/2006
Association for Computer Machinery   University of Miami
Gathered computer enthusiasts on campus to share interests on developments in the tech world. Prepared
programmers for the annual ACM South East Regional Programming Competition.