

Shah Pavel Jamal

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Education

BS/MS Computer Science, Stony Brook University

Expecting to graduate on May 2012

During school I developed a dynamic programming language, a compiler for a static language, a tiny x86 OS kernel, multiple 2D & 3D graphics engines, won 1st place in a class software development contest and worked as a teaching assistant for 3 semesters.

Work Experience

Lead Programmer, Eduware Inc.

September 2007 to Present

- Developed the Exam Editing suite and framework for LaTeX based Exam Printer for our lead product Wizard Test Maker Online. (WizardTM.com)
 - Entailed developing a custom WYSIWYG HTML editor
- Developed real-time polling for classrooms using any desktop/mobile web browser and also developed multiple flash games around it. (ClickerSchool.com)
 - Entailed developing a live communication server & library for AS3, JS & Python
- Developed tools for analyzing student's performance with printable reporting over a whole district of schools. (DistrictBenchmark.com)
 - Entailed developing a PDF report printing library and custom jQuery controls.

(Using ASP.Net Ajax, C# & Microsoft SQL for all sites. And also Python, AS3, C++ for ClickerSchool)

Languages

I code quite often using

C#

Python

C & C++

Actionscript 3

Javascript

SQL

Toys

Tools & frameworks
I keep at my disposal

jQuery

Django

Photoshop

Notepad++

Visual Studio

ASP.Net Ajax

Eclipse

Flash

Personal Projects

QuickMeme

- Designed, developed & marketed an image macro generator site that achieved 5 million visits per month by its 3rd month
- Highly optimized site running on a server costing only \$22 per month
- Later purchased by Miltz Media and over time has grown to 14 million visits per month using the same architecture

(Using Python, HTML5, Flash AS3, MySQL and Rackspace Cloud Files running on nginx server)

Mara's Dreams (C++ AS3 iOS Android) – Touch based cross platform mobile game where you go around the world soaring in the sky; working with a dedicated artist and a composer.

PriceCheck (C# PHP WP7) – Windows Phone 7 app for checking local price of products using user contributed and online data, ranked 5th in Imagine Cup Worldwide contest.

Project Immunity (C# XNA HLSL) – Top down 3D shooting game taking place inside the human body fighting against viruses, went to 2nd round in Imagine Cup Worldwide contest.

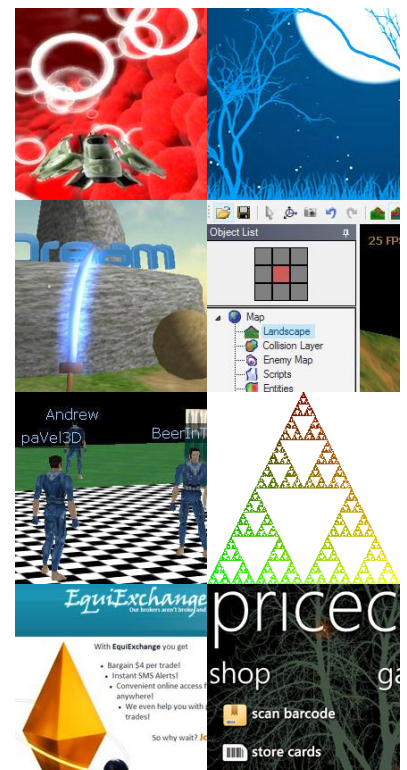
WolfScript (Python) – Developed my own dynamic objected programming language supporting most features of a modern scripting language like Python.

Fair Haven (C# Pascal TV3D) – 3D MMORPG game with swimming, items and world editor.

ThreeDIRC (Pascal TV3D) – Social app for 3D chatting with other users over IRC, while manipulating the world around you; worked in a team of 2 during high school.

BusySally.com (Python) – Web app that reminds you to take the pill using SMS if you forget; you can send text message, phone call, or use the website to let it know that you took it.

Pokemon Azerath (Python) – Full-fledged Pokemon imitation with battling, NPC's and storyline.



I am always working on something.

To see more of my work go to sprklab.com/portfolio