

Thomas Francis

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TECHNICAL EXPERTISE

Knowledge/Coursework

Game Development, Tools Programming, Graphics Programming, Game Architecture, Game AI, Networking For Games, Structures and Algorithms, Applied Calculus, Math for 3D Graphics, Discrete Mathematics, Game Physics

Languages

Advanced: C#, ActionScript 3.0, C++, SQL, Java

Intermediate: C, XML, PHP, HLSL, GLSL, Javascript, HTML, CSS

Familiar: Perl, Python

Tools/Framework Familiarity

Visual Studio, Unity3D, XNA Game Studio 4.0, SQL Server, Adobe Flash, Adobe Photoshop, Redmine, Jira, Perforce, Tortoise SVN, Eclipse, Electric Commander, NUnit, Maven, JQuery, Bootstrap, NodeJS, Jasmine, Coverity, Rally, Apache, Windows Forms, Sonar

RELEVANT WORK EXPERIENCE

Lead Programmer, Co-founder

April 2012 – Present

Team Aurora Games, Burlington, Vermont

- Created nearly entire game editor for Grey: The Lost Technology. Allows designers to create and modify quests, items, animations, collision, dialogue, maps, characters, scenarios, and particle effects.
- Created game engine/framework library for Grey: The Lost Technology

Software Engineering Intern

May 2012 – Dec 2012, May 2013 – Present

GE Healthcare, South Burlington, Vermont

- Developed UI automation framework for behavior driven development testing of medical applications
- Developed dashboard that reports application development metrics (build data, unit test data, code coverage, etc) for projects in Healthcare IT. The product is now in use worldwide across Healthcare IT for GE.

Independent Game Developer

June 2007 – Present

Underhill, Vermont

- Developed and released 14 Flash games independently and through sponsors like ArcadeBomb, Addicting Games, and BigFish Games. 13 of the Flash games have a collective 14,090,397 plays.

Actionscript/Flash Tutor

October 2010 – April 2011

Champlain College, Burlington, Vermont

- Assisted students with Actionscript problems and helped them understand core concepts presented in programming.

EDUCATION

Champlain College

August 2010 – Present

Major: Game Programming

Burlington, Vermont

Major GPA: 3.47