Andrew Friesland

This is now many years out of date, and I am very happy at my current job.
I am not interested in a new job at the moment.

Temporary Address: 15630 NE 99th Way, Redmond, WA, 98052
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Education

DigiPen Institute of Technology   Redmond, WA   GPA: 4.0
Masters of Science in Computer Science, May 2012
Carnegie Mellon University   Pittsburgh, PA   GPA: 3.28
Bachelor of Science in Computer Science, May 2010

Computer Languages

 C/C++, Objective C, Java, SML

Relevant Courses

DigiPen Institute of Technology
Fundamentals of Game Development, Curves and Surfaces
Carnegie Mellon University
Computer Game Programming, A.I. Representation and Problem Solving, Computer Graphics,
Computer Networks, Algorithm Design and Analysis, Operating System Design and Implementation

Work Experience

Activision (Treyarch): Programmer Intern (Summer 2008)
- Rewrote the text rendering system to use less memory
- Created a system to display Wii remote gestures in the UI

Projects

Penguin Game: Fall 2010
- Designed and wrote a reusable component based engine in 7 weeks
- Used serialization to allow levels to be modified without recompiling the project

Curve, Polynomial, and Spline Drawer: Fall 2010
- Wrote a program to draw Bezier curves, interpolating polynomials, C2 splines, and B-splines
- Allowed the user to move the control points or change curve types on the fly

Hex: Summer 2010
- Wrote a hex grid based puzzle game from scratch
- Created an in game level editor for use by the level designer

Operating System: Spring 2010
- Designed and implemented a simplified POSIX multi-threaded operating system
- Worked as part of a 2 man team

BeeStruction: Fall 2009
- Learned to use component based design
- Worked with a large multi-disciplinary group

Broadside: Summer 2009
- Designed and created an iPhone game
- Learned Objective C and parts of the iPhone API

Leadership Experience

Booth Chair: Fall 2007-Spring 2008
- Organized brotherhood in design, construction, and decoration of booth
- Ensured booth construction happened on schedule and safely

Alpha Epsilon Pi Member At Large: Spring 2006-Fall 2006
- Was a member of the Alpha Epsilon Pi Executive Board
- Represented Alpha Epsilon Pi in the Inter-Fraternity Council and Greek Council