RESIDENCE

Jason Stredwick
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EDUCATION

B.S. in Computer Science (May 1998)
Minor Mathematics
Pacific Lutheran University
Tacoma, WA

M.S. in Computer Science (Aug 2002 - Dec 2005)
Michigan State University
East Lansing, MI
I examined the evolution of 3D morphology and behavior within a virtual environment by utilizing a system I created called WhirlingDervish.

PRIMARY SKILLS

C/C++ (Visual C++/g++/gcc)
Perl
Windows/Linux/Mac OSX

WORK EXPERIENCE (3+ yrs)

Aug 2006 – July 2009   Game Programming and Animation Outreach Instructor, DigiPen Institute of Technology
Through the DigiPen outreach program I instructed high school students in the basics of game creation at the Puget Sound Skills Center. The class focuses on an introduction to C/C++, mathematics, and art principles required making 2D games.

May 2002 - July 2002   Programmer, LONCAPA
I wrote the Perl module to generate and display statistical data for online coursework.

Sept 1999 - June 2001   Programmer, FAAC Inc
I engaged in a variety of implementations including: Designing a fluid flow system used to simulate the extinguishing of plane fires by emergency vehicles; modifying and maintaining SQL databases for the airport driving simulation product; establishing a coding standard and storage practice for commercial products; extending the scripting tool used to generate traffic in driving simulations; and testing commercial systems and on-site installation for clients.

Nov 1998 - Aug 1999   Programmer, RDP (Ribosomal Database Project)
I developed XML-based tools using a C++, Java, and Perl to extract, parse, and load GenBank data into the RDP-II's object-oriented database. These tools automated the retrieval of online data to keep up with the increasing information.

June 1998 - Aug 1998   Programmer, Pacific Northwest National Laboratories
I learned and applied software engineering procedures to generate a product. Working with a partner, I created a program to take data stored in a spreadsheet and convert it to an html catalog.

Mar 1994 - Aug 1994   Engineer Assistant/Internship, Westinghouse/Hanford
Using Fortran, I performed visualizations on nuclear waste emission data, and allowed the user to select portions of the data to perform further statistical analyses.