Spencer T. Parkin

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OBJECTIVE

A position in the field of software engineering with special interests in computer graphics and user interfaces.

EDUCATION

Bachelor of Science, Mathematics
Weber State University, Ogden, UT, Graduated 2007
Major: Mathematics
Minor: Computer Science
Graduated High School 2001

COMPUTER SKILLS

Languages & Software: C/C++, Lua, C#, Java, Assembly, HLSL, Perl, Git, OpenGL, MFC, wxWidgets, Qt, cURL, DevStudio
Operating Systems: Windows, Linux.

EXPERIENCE

Programmer   2012-2016
Avatar Tools Team, Programming Department, Disney Interactive
- Developed new tools to increase team productivity. E.g., Custodian – a wizard program designed to lead the user through a set of esoteric steps; Emu – a tool presenting its users with a visual programming language used to create executables for our engine run-time VM.
- Maintained existing tools. I.e., fixed bugs, added new features, optimized performance, improved visuals.

Associate Programmer   2007-2012
Programming Department, Disney Interactive
- Developed particle authoring tool with live-authoring features.
- Implemented lens-flare system.
- Helped port old particle system to new renderer.

Lab Aide   2003-2007
Worked as a lab aide to pay for books during the college years.

Level 1 Programmer   2001-2002
UI Programming, Acclaim Entertainment
- Worked with artists and designers as sole programmer on main front-end user-interface for Legends of Wrestling II.

Programming Intern   2000-2001
FX Programming, Acclaim Entertainment
- Worked on the particle system. Implemented blood/sweat splatter for Legends of Wrestling I and various other particle effects.
- Implemented body-part resizing subroutine for create-a-wrestler feature.

PUBLICATIONS The following publications are given in chronological order.
- Parkin, S. (2014). The Mother Minkowski Algebra of Order M.
  Advances in Applied Clifford Algebras, 24(1), 193-203.
- Parkin S. (2014). The Intersection of Rays with Algebraic Surfaces.
  Advances in Applied Clifford Algebras, 24(3), 309-815.
- Parkin, S. (2015). Versors That Give Non-Uniform Scale.
  Advances in Applied Clifford Algebras, 25(1), 219-225.
- Parkin, S. (2015). An Introduction To Geometric Sets.
  Advances in Applied Clifford Algebras, 25(3), 639-655.

DEMOS Put links to demos here

EXTRA-CURRICULAR ACTIVITIES
- Served an LDS mission in Los Angleles from 2002 to 2003.
- Long Day-hikes to big peaks such as Salt Lake Twin Peaks, Dromodary Peak, Mt. Superior, Lone Peak, Ben Lomond Peak.
- Cubing! Rubik's Cube, Square-1, Curvey-Copter, Rex-Cube, various cuboids, etc.