

Jeremy A. Aker

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Skills:

C#	Microsoft Visual Studio	Adobe Director
HTML	XML	PHP
ColdFusion Markup Language	Adobe Dreamweaver	Adobe Photoshop
SQL	JavaScript	Adobe Flash
UnrealScript	Adobe Acrobat	Adobe Illustrator
Adobe Premiere	Microsoft Word	Microsoft Excel

Experience:

Senior Software Engineer

Lockheed Martin, Virtual Worlds Lab, Cary, NC; August 2007 to present

Contribute to the design and development of proprietary software in Microsoft Visual Studio in the C# language. Oversee the technical aspects of creating 3D simulation training including interfacing with 3D artists to develop optimal 3D scenes. Script training scenarios using various 3D engines. Create 2D graphical software elements using Adobe Flash, Photoshop, and Dreamweaver.

Multimedia Developer

3Dsolve, Cary, NC; June 2005 to August 2007

Script simulation training scenarios using various 3D engines including those developed in Macromedia Director and Unreal Engine. Create 2D software simulation using Macromedia Flash. Assist in the development of 3D engines in Director.

Freelance Multimedia Developer

Raleigh, NC; March 1997 to present

Integrate custom programming and various media elements, such as graphics, audio, animations, digital video, Shockwave 3D, web pages, and Adobe Acrobat files, into interactive presentations, training courseware, and data-driven web sites for regional clients.

Course Designer

eHomecare.com, Ltd., Raleigh, NC; March 2001 to July 2001

Created on-line learning courses, training materials, reference manuals, and technical documentation on the use of eHomecare.com software products. Co-created an implementation plan for the introduction of eHomecare.com software to clients.

Director, Multimedia

Tech Resource Group, Inc., Raleigh, NC; January 1999 to March 2001

Responsible for managing department schedule, assigning projects to staff, and assuring quality while meeting time and monetary budgets. Train and develop staff including hiring of new staff and administering performance reviews. Maintain supply inventory. Ensure proper maintenance of equipment and specify and recommend new hardware and software. Act as a team leader providing assistance with advanced Lingo programming, debugging, and developing programming templates. Support sales staff with estimates and technical support.

Senior Multimedia Developer

Tech Resource Group, Inc. / The Media Shop, Raleigh, NC; July 1997 to January 1999

Developed computer-based training lessons and multimedia presentations including advanced features and Lingo programming, integration of media elements, and design of graphical user interface. Act as team leader including managing a team of multimedia developers and the development of templates. Assure that quality standards are met.

Multimedia Developer

The Media Shop, Raleigh, NC; August 1995 to July 1997

Responsible for developing computer-based training lessons and multimedia presentations including basic to advanced features and Lingo programming, integration of media elements, and design of graphical user interface.

Production Director, Industrial Designer, Multimedia Designer

Electronic Customer Communications, Inc., Raleigh, NC; October 1994 to July 1995

Coordinated production of multimedia, industrial design, and graphic design projects. Responsible for designing displays to surround interactive multimedia kiosks and for designing graphic user interfaces for interactive multimedia programs.

Education:

Master of Industrial Design

North Carolina State University, Raleigh, NC; August 1994

GPA: 4.0 out of 4.0

Bachelor of Environmental Design in Architecture

North Carolina State University, Raleigh, NC; December 1992

GPA: 3.421 out of 4.0 *cum laude*

Article:

Custom Dialogs: More than just OK, Lingo User's Journal Volume 3, Issues 7 & 8, July/August 1997.

Patent:

Lane, K., Aker, J., Burns, E., and Easter, D. (2010). Virtual Shoot Wall with 3D Space and Avatars Relative to User Fire, Motion, and Gaze Direction

Filed December 15, 2010 (In Review)

Interests:

Volunteer Chase Crew

Above and Beyond Hot Air Balloon Company, Raleigh, NC; September 2001 to July 2004 and May 2009 to present

Assist aeronaut and other crew in wind measurement, unpacking, inflating, chasing, retrieving, and re-packing hot air balloon.

Raleigh Durham Adobe User Group (formerly Triangle Area Macromedia User Group)

August 2000 to 2008