

# Christopher Michael Cyr

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## OBJECTIVE

A position in an environment that can utilize my experience in software development, computer graphics and computer vision.

## EDUCATION

- MASTERS OF SCIENCE: Brown University Providence, RI  
Electrical Engineering May, 2001
- BACHELORS OF SCIENCE: Worcester Polytechnic Institute Worcester, MA  
Computer Science; Management (Minor) May, 1999

## WORK EXPERIENCE

### Brown University: Providence, RI

(8/99 - 8/01): Teaching / Research Assistant

- Teaching assistant for Image Processing Class, created and graded assignments, taught lectures, provided help sessions
- Research assistant, worked independently on developing a 3D object recognition algorithm

### Sonalysts Inc.: Waterford, CT

(5/99 - 8/00): Software Development

- Developed pieces of software to be used in major computer game (<http://www.subcommand.ea.com/>)
- Worked with US Military to locate and fix bugs in training simulation software

### Cadence Design Systems: Nashua, NH

(5/98 - 9/98): Software Development/Quality Assurance

- Designed and implemented a Lotus Notes Database to be used by software design team for team/project management
- Created a software tool to gauge the performance improvement of the in-house software over the competitors software.

## M.S. THESIS

### A Similarity-based Aspect Graph Approach to 3D Object Recognition

This project entailed developing a method to determine the identity of a 3D model from an unknown 2D image.

## COMPUTER SKILLS

- Programming Languages: C, C++, OpenGL, DirectX, Java, HTML, Perl, JavaScript, MATLAB, Mathematica, LaTeX, VRML, Inventor
- Computer Environments: UNIX, Linux, Windows 95/98/ME/NT/2000, Playstation Development, CAD, 3D Studio Max, Adobe Photoshop
- Relevant Experience: Computer Graphics, Computer Vision, Artificial Intelligence, Operating Systems, Networking, User Interface Design, Image Processing, Linear Algebra, Numerical Analysis

## ORGANIZATIONS

- Association of Computing Machinery (ACM)
- Institute of Electrical and Electronics Engineers (IEEE)
- Sigma Xi Scientific Research Honor Society
- Phi Gamma Delta Fraternity

## PUBLICATIONS

- "2D-3D Registration Based on Shape Matching", Mathematical Methods of Biomedical Image Analysis (MMBIA), pp. 198-203, 2000
- "3D Object Recognition Using Shape Similarity-Based Aspect Graph", International Conference on Computer Vision (ICCV), pp. 254-261; 2001