

**Nicholas R. Howe**

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***Objective: Postdoctoral research/teaching position starting summer 2001.***

## EDUCATION

**Cornell University**, Ithaca, NY. Ph.D. student in Computer Science. *1995-present*  
Minor in Cognitive Studies.  
**Princeton University**, Princeton, NJ. A.B. *cum laude* in Physics. *June 1993*  
Certificate in Engineering Physics.  
Senior thesis topic: Computerized statistical analysis of structure in the universe.

## JOB EXPERIENCE

**Research Assistant**, Cornell University *1999-Present*  
Computer Vision Group, Department of Computer Science.  
**Teaching Assistant & Lecturer**, Cornell University *Fall 1998*  
*Introduction to Computer Programming.*  
**Research Intern**, Mitsubishi Electric Research Lab *Summer 1998*  
Computer vision group, with Bill Freeman.  
**Research Assistant**, Cornell University *Summer 1997*  
NLP and ML lab, Department of Computer Science.  
**Course Lecturer**, Cornell University Summer Program *Summer 1996*  
*The Computer Age.*  
**High School Teacher**, Kingsland School, Kingsland, AR *1993-1995*  
Algebra, geometry, trigonometry, physics, and French.

## SELECTED PAPERS

*Data as Ensembles of Records: Representation and Comparison*, Howe, N., Seventeenth International Conference on Machine Learning, 2000.  
*Integrating Color, Texture, and Geometry for Image Retrieval*, Howe, N., and Huttenlocher, D., Computer Vision and Pattern Recognition, 2000.  
*Using Artificial Queries to Evaluate Image Retrieval*, Howe, N., IEEE Workshop on Content-Based Access of Image and Video Databases, 2000.  
*Bayesian Reconstruction of 3D Human Motion from Single-Camera Video*, Howe, N., Leventon, M., and Freeman, W., Neural Information Processing Systems, 2000.  
*Examining Locally Varying Weights for Nearest Neighbor Algorithms*, Howe, N. and Cardie, C., Second International Conference on Case Based Reasoning, 1997.  
*Improving Minority Class Prediction Using Case-Specific Feature Weights*, Cardie, C. and Howe, N., Fourteenth International Conference on Machine Learning, 1997.

## COMPUTER EXPERIENCE

Languages: C, Matlab, LISP (w/ CLOS), Java, Scheme, Pascal, Fortran, Basic  
Platforms: Unix, X Windows, Macintosh, Windows NT