

## Short Vita

# Tamara Munzner

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## Education

BS, Computer Science, Stanford University, 1991  
PhD, Computer Science, Stanford University, September 2000  
Enrolled September 1995-June 2000.  
Dissertation: Interactive Navigation of Large Graphs and Networks.  
Advisor: Pat Hanrahan.

## Research Interests

Computer graphics and visualization: information visualization, graph drawing, mathematical visualization, interactive 3D graphics, pedagogical animation creation.

## Awards

National Science Foundation Graduate Research Fellowship  
Microsoft Graduate Research Fellowship

## Recent Experience

Compaq Systems Research Center 9/00–5/02, *Research Scientist*  
Started and led Olduvai project on bioinformatics visualization.  
Microsoft Research 6/98–9/98, *Intern, User Interfaces Group*  
Started Constellation research project for visualizing linguistic queries (completed after returning to Stanford).  
Silicon Graphics, Inc 3/96–6/98, *Part-Time Consultant and Intern*  
Integrated my research software for visualizing graphs in 3D hyperbolic space into a Web site management product.  
The Geometry Center 6/92–5/95, *Senior Technical Staff*, 6/91–6/92 *Apprentice*  
Created interactive software for and videos using mathematical visualization at many points on the research-education spectrum, provided consulting and technical support for visiting researchers, supervised apprentices.

## Selected Publications

- Tamara Munzner, Francois Guimbretiere, and George Robertson. Constellation: A Visualization Tool For Linguistic Queries from MindNet, *Proceedings of the 1999 IEEE Symposium on Information Visualization*, pages 132–135, IEEE Computer Society Press, Oct 25-26 1999.
- Tamara Munzner. Drawing Large Graphs with H3Viewer and Site Manager, *Proceedings of Graph Drawing '98*, pages 384–393, Springer-Verlag Lecture Notes in Computer Science 1547, August 1998.
- Tamara Munzner. H3: Laying Out Large Directed Graphs in 3D Hyperbolic Space, *Proceedings of the 1997 IEEE Symposium on Information Visualization*, pages 2–10, IEEE Computer Society Press, Oct 20-21 1997.
- Tamara Munzner, Eric Hoffman, K. Claffy, and Bill Fenner. Visualizing the Global Topology of the MBone, *Proceedings of the 1996 IEEE Symposium on Information Visualization*, pages 85–92, IEEE Computer Society Press, Oct 28-29 1996.
- Andrew Hanson, Tamara Munzner, and George Francis. Interactive Methods for Visualizable Geometry, *Computer*, 27(4), pages 73–83, IEEE Computer Society Press, July 1994.
- Silvio Levy, Delle Maxwell, Tamara Munzner. Outside In, (*video*), AK Peters, 1994.

## Selected Conference Presentations

- SIGGRAPH 97, Los Angeles CA, 8/97. Gave lecture *Survey of Visualization Toolkits* as part of a half-day course “Design and Application of Object-Oriented 3D Visualization Systems” with Tom Citriniti, Ken Martin, and Bill Lorensen.
- Imagina 96, Monte Carlo, Monaco, 2/96. *Dimension, Space, Information Visualization and the Web*
- SIGGRAPH 95, Los Angeles CA, 8/95. Gave lectures *Visualizing Mathematics through Interactive Software* and *Visualizing Mathematics through Video* as part of full-day course “Visualizing Mathematics” with David Banks, Jim Blinn, Scott Kim, and Nelson Max.

## Selected Invited Talks

Alexa, Apple, AT&T Research, Atlanta College of Art, BayCHI, Bell Labs, CAIDA, Gustavus Adolphus, HP Labs, Interval, MSRI, Spelman College, Swarthmore, UC Santa Cruz, University of Bielefeld, University of Bonn, Usenix, UT Austin, ZIB