

HOMAN IGEHY

EDUCATION

- Stanford University**
9/94 – 6/00 *Ph.D. in Computer Science* – Computer Graphics, advised by Professor Pat Hanrahan.
Course GPA: 4.2
9/91 – 3/94 *B.S. in Computer Science* – with distinction.
Terman Award (top 5% of engineering class), Phi Beta Kappa, Tau Beta Pi.
Overall GPA: 3.9 – Major GPA: 4.1

WORK EXPERIENCE

- Stanford University**
9/94 – 6/00 *Research Assistant* – Performed research mainly focusing on various aspects of scalable graphics architectures. Additional research areas included texture synthesis and ray tracing.
6/98 – 8/98 *Instructor* – Instructed an introductory operating systems course (CS 240A).
1/96 – 3/96 *Teaching Assistant* – Assisted teaching for an introductory computer graphics course (CS 248).
Pomegranate Graphics
1/98 – 1/99 *Founder* – Founding engineer in a startup developing a fully scalable graphics architecture.
Silicon Graphics, Inc.
4/94 – 9/94 *Member of Technical Staff* – Member of original IRIX64 team that developed SGI's first 64-bit operating system.
6/93 – 9/93
Apple Computer, Inc.
6/92 – 9/92 *Summer Intern* – Intern in the systems software division examining the MacOS software development process.

PUBLICATIONS

- SIGGRAPH** **Pomegranate: A Fully Scalable Graphics Architecture**
Matthew Eldridge, Homan Igehy, and Pat Hanrahan
Computer Graphics (SIGGRAPH 2000 Proceedings)
- Tracing Ray Differentials**
Homan Igehy
Computer Graphics (SIGGRAPH 1999 Proceedings)
- The Design of a Parallel Graphics Interface**
Homan Igehy, Gordon Stoll, and Pat Hanrahan
Computer Graphics (SIGGRAPH 1998 Proceedings)
- Graphics Hardware** **Parallel Texture Caching**
Homan Igehy, Matthew Eldridge, and Pat Hanrahan
1999 Eurographics / SIGGRAPH Workshop on Graphics Hardware
- Prefetching in a Texture Cache Architecture**
Homan Igehy, Matthew Eldridge, and Kekoa Proudfoot
1998 Eurographics / SIGGRAPH Workshop on Graphics Hardware
- Simple Models of the Impact of Overlap in Bucket Rendering**
Milton Chen, Gordon Stoll, Homan Igehy, Kekoa Proudfoot, and Pat Hanrahan
1998 Eurographics / SIGGRAPH Workshop on Graphics Hardware
- Other** **Image Replacement through Texture Synthesis**
Homan Igehy and Lucas Pereira
1997 IEEE International Conference on Image Processing