

# Dale Beermann

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## I can also be found here:

<http://dalebeermann.com>

<http://www.cs.virginia.edu/~drb3t>

<http://twitter.com/beermann>

<http://www.linkedin.com/in/beermann>

In the past three years I started a LLC, a privately funded corporation, and a non-profit. In that time I also co-chaired a committee for a young professional organization and started a personal blog. My ambitions, from attending graduate school to starting a company, have always been with the intent of putting myself in a position to do what I am truly passionate about.

Throughout my professional life I have searched for the opportunity to innovate. At Emageon, I implemented the first commercially viable 3D visualization solution using commodity graphics hardware. At Imago, I worked on composition profiles that allowed for the first ever visualization of the structural makeup of a transistor. MyOutdoors was an opportunity to create a product that fused the interactivity of Google Maps with a blogging platform. Most recently I helped create a visual programming environment that allows anyone, regardless of technical expertise, to create interactive web applications.

These experiences have been the realization of my quest for innovation. I hope that my future endeavors will allow me to continue down this path.

Dale

## Experience

### **Sharendipity** Sep 2006—present

*Software Architect, Co-Founder*

Design and implementation of a platform for community-based software development of casual games and multimedia applications. Implemented Facebook Connect and OpenSocial integration. Developed the winning submission for the Ning Appathon contest. Ported the player from Java to ActionScript in three weeks.

### **Gorges Software LLC** Jan 2006—Jan 2009

*Partner*

Design, develop, and maintain MyOutdoors.net, a full-featured community-driven website allowing users to journal, map, and share their outdoor activities.

### **Imago Scientific Instruments** Nov 2005—Jun 2006

*Application Software Developer*

Designed and implemented software for analyzing atom probe data in 2-D and 3-D including functions such as composition profiles, spectral analyses, Fourier methods, isoconcentration surfaces, interface roughness and characterization.

### **Emageon Inc.** Jun 2004—Nov 2005

*Client-side Development Engineer, Volume Rendering Team Lead*

Responsibilities include the development and implementation of software design specifications for hardware accelerated volume rendering and segmentation of medical image data. Other duties include maintenance of the 2D and 3D imaging code base, significant work optimizing application performance, and level three support of customer incidents.

### **University of Virginia** Sep 2003—May 2004

*Research Assistant / Teaching Assistant*

Primarily involved in research projects for large tree visualization and distributed and remote rendering. Held office hours and led weekly computer laboratories for approximately 70 students.

### **ReQuest Ltd.** Jan 2000—Aug 2003

*Database and Web Developer*

Developed and maintained relational databases and built websites and intranets to centralize client infrastructure.

# Papers

Beermann, Dale, Munzner, Tamara, and Humphreys, Greg. *Scalable, Robust Visualization of Very Large Trees*. Abstracts In Proc. EuroVis 2005, pages 37-44, 2005.

Beermann, Dale and Humphreys, Greg. June 2003. *Visual Computing in the Future: Computer Graphics as a Remote Service*. University of Virginia Technical Report CS-2003-16.

Beermann, Dale. *The ADDS Center InfoBase: The Technical Aspects Behind a Multimedia Information Resource for Agriculture*. Journal of Animal Science, Vol. 78, Suppl. 1/2000.

# Presentations

Beermann, Dale. Event Distribution and Image Delivery for Remote Cluster-based Visualization. IEEE Visualization workshop on Parallel Visualization and Graphics. October 2003.

Beermann, Dale. Remote Rendering using Commodity-based Clusters. IEEE Virtual Reality workshop on Commodity Clusters for Virtual Reality. March, 2003.

# Service

**Herzing University** Oct 2009—present

*Game Development Program Advisory Board Member*

**Propel Wisconsin Innovation** Feb 2009—present

*Co-Founder, President, Board of Directors*

Founded a statewide non-profit for entrepreneurs focusing on establishing a pipeline of entrepreneurship throughout Wisconsin by focusing on Education, Mentorship, and Networking.

**Madison MAGNET** Jun 2007—present

*Co-Chair, Entrepreneurial Committee. Member, Steering Committee*

Created the Entrepreneurial Toolkit Series to help educate and support entrepreneurs in the Madison area. Assisted with fundraising efforts with the local government and the private sector.

**Dane County YES** Feb 2009—present

*Judge, Youth Business Plan Competition*

Reviewed and provided feedback on business plans submitted by high school students.

**IEEE InfoVis and IEEE Visualization Conferences** Apr 2006—present

*Peer Reviewer*

Reviewed submissions for publication in the fields of distributed rendering and information visualization.

**University of Virginia** Apr 2003—Apr 2004

*Computer Science Graduate Student Group Steering Committee Member*

Acted as liaison between the faculty and students in the computer science department.

# Education

**University of Virginia**, Charlottesville, VA

Master of Engineering in Computer Science, May 2004. GPA: 3.75. Admitted to Ph.D. program following completion of comprehensive qualifying examinations.

**University of Wisconsin-Madison**, Madison, WI

Bachelor of Science in Computer Science, May 2002. GPA 3.54

# Skills

**Programming Languages:** ActionScript, Java, C/C++, Python, Perl, Visual Basic, C#, HTML/XML, PHP, SQL

**Operating Systems:** Unix/Linux, WinNT/2000/XP

**Tools, Applications and Frameworks:** Facebook Connect, OpenSocial, Eclipse, Jetty, Flex Builder, Photoshop, Illustrator, InDesign, OpenGL, JProbe, ASP, CSS, LaTeX, Flex, Bison, make, gdb, cvs, svn

# Other

Sole developer of the winning submission for the Ning Appathon contest

Expert Blogger, Gamasutra

Member, Brazen Careerist Blogging Community

Invited Blogger, [Madison2020.blogspot.com](http://Madison2020.blogspot.com)