

## Stefan Eilemann

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| PARTICULARS     | <div> Date of Birth9. August 1975 </div> <div> Birth PlaceWittenberg </div> <div> NationalityGerman </div>   |
| OBJECTIVE       | <div> Work in an innovative environment to apply and extend my expertise in software design and development of high-performance visualization applications and frameworks. </div>  |
| WORK EXPERIENCE | <div> <div> <div> <i>Researcher, Visualization</i> </div> <div> University of Zürich </div> </div> <div> <div> Zürich, Switzerland </div> <div> March 2005 – current </div> </div> <div> As an assistant in the Visualization and Multimedia Lab I am developing a framework for distributed, scalable visualization software. I research new algorithms for the parallelization, management and load-balancing of applications on multi-user graphics clusters. </div> </div> <div> <div> <div> <i>Senior Software Engineer</i> </div> <div> Esmertec AG </div> </div> <div> <div> Neuchâtel, Switzerland </div> <div> January 2004 – September 2005 </div> </div> <div> Working in esmertec's R&amp;D group, I developed Java software to enable user interface costumization on mobile devices and desktops. </div> </div> <div> <div> <div> <i>Senior Software Engineer</i> </div> <div> Silicon Graphics, Inc. </div> </div> <div> <div> Neuchâtel, Switzerland </div> <div> August 2000 – December 2003 </div> </div> <div> As part of SGI's engineering organization, I was leading the software development for OpenGL Multipipe SDK (MPK). MPK is a C/C++ framework to develop high-performance, scalable visualization software. I also worked on DataSync, a distributed shared memory API for clusters. </div> </div> <div> <div> <div> <i>Software Engineer</i> </div> <div> Freelancer </div> </div> <div> <div> Munich, Germany </div> <div> April 2000 – July 2000 </div> </div> <div> I wrote a network configuration management solution for the internet backbone of Cable &amp; Wireless, using Linux, Apache, MySQL and Perl. </div> </div> <div> <div> <div> <i>Software Engineer</i> </div> <div> Intec GmbH </div> </div> <div> <div> Wessling, Germany </div> <div> October 1998 – March 2000 </div> </div> <div> As part of the software development team for SIMPACK, a multibody simulation program, I was responsible for maintaining the existing 2D and 3D graphics subsystem based on PHIGS, as well rewriting it to use TGS Open Inventor and TGS Master Suite. </div> </div> |

## EDUCATION

Berufakademie Heidenheim  
Dipl.-Ing. (eq BS) in Computer Science, September 1998  
Lucas-Cranach-Gymnasium Wittenberg  
Abitur (university entrance qualification), June 1994

## SKILLS

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|-----------------------|--|
| Software Development: | C++, C, Perl and Java  |
| Project Management:   | creation of project schedule, task breakdown and feature prioritization                          |
| Communications:       | internal and external technical presentations, customer consulting                               |
| Area of Expertise:    | development of high-performance multithreaded and distributed OpenGL applications and frameworks |
| Operating Systems:    | Irix, Mac OS X, Linux (IA32/IA64), OpenBSD, Windows  |
| Languages:            | native german speaker, fluent english (working language), good french knowledge                  |

**Patrick Bouchaud**

Engineering Manager  
Silicon Graphics, Inc.

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Patrick was my engineering manager at Silicon Graphics. In the beginning, he was also the technical lead and a software engineer for OpenGL Multipipe SDK, a role which was gradually transitioned to me.

**Wolfgang Schuster**

Software Project Manager  
German Aerospace Center

Wolfgang.Schuster@dlr.de  
+49 8153 28 2439

Wolfgang was my supervisor during the practical phases of my studies. He overlooked and guided me during the design and implementation of new software features, and was overlooking the progress of my diploma thesis.

**Christophe Delattre**

Manager, R&D Visualization  
Dassault Systems

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Christophe is the contact person for the integration of OpenGL Multipipe SDK within Catia. I provided technical support and consulting, and worked closely with him to discuss, design and integrate new features into MPK and Catia.

Further references are available on request.