

# Jon C. Parise

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## *Current Address:*

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## Objective

To obtain a software engineering position in the entertainment industry that will allow me to utilize my diverse array of technical, creative and problem solving skills while allowing me to gain further experience in the field.

## Education

**Carnegie Mellon University**, Pittsburgh, PA  
Masters of Entertainment Technology  
Anticipated graduation: May 2003

**Rochester Institute of Technology**, Rochester, NY  
Bachelor of Science, Information Technology (3.95 PFOS / 3.85)  
Graduated Summer 2001 with Highest Honors  
Concentrations in networking technologies and web development  
Minor in Science, Technology and Society Studies

## Skills

### Software Development

C/C++, Python, Perl, PHP, SQL, Java, Visual Basic

Experienced with Windows and Unix-based development environments for both systems-level and application programming. Experienced with client / server and web-based application development.

Experienced with tools and systems-integration development.

Experienced with game engines (specifically, the LithTech Development System and Panda3D) and their design and implementation. Familiar with most of the Microsoft DirectX development suite.

Familiar with established software engineering and design practices.

### Human Factors

Practiced in developing systems designed for end-users, especially those designed for entertainment. Specifically experienced in human factors, needs assessment and interface design.

Strong communications skills, both written and verbal.

### Network Technologies

Experienced in most aspects of internetworking, including serial communication; various types of Ethernet and WAN technologies; network topologies and design; and network management. Experienced with most common methods of network programming.

### Computer Hardware, Operating Systems and Systems Administration

Extensive experience with most mainstream hardware platforms and operating systems, including: Microsoft Windows, MacOS, FreeBSD, GNU/Linux, Digital Unix, Solaris, Irix, NetBSD, OpenBSD and BeOS.

Former lead systems administrator at two internet service providers and systems administrator for Computer Science House, RIT. Designed, configured and maintained an array of Unix-like servers providing a full range of services.

## Employment Experience

**Electronic Arts (Maxis Studio)** – Walnut Creek, CA  
Software Engineer (Intern)  
May 2002 to August 2002

Worked on *The Sims Online* as the primary engineer developing the suite of installation, setup and registration applications.

**SuSE Linux, Inc.** – Oakland, CA  
Software Developer  
December 2000 to December 2001

Projects dealt with developing a web-based front-end to a large internal database using Perl and MySQL.

**Telcordia Technologies** (formerly Bellcore) – Morristown, NJ  
Summer Intern, Applied Research Division  
June 1999 to August 1999

Worked on a variety of applied research projects focusing on network management and performance. Wrote tools for integrating various proprietary software applications.

## Professional and Research Experience

- **Mo'jox (ETC)**, research into interactive real-time optical motion capture, *Fall 2002*
- **IAI (ETC)**, the Interactive Animatronics Initiative (interactive robotics), *Spring 2002*
- **DJ Sez (ETC)**, a "learn to be a DJ" experience for the Jam-O-Drum, *Spring 2002*
- **Aria (ETC)**, a collaborative music experience for the Jam-O-Drum, *Winter 2002*
- **ARRG (ETC)**, a real-time computer-generated panoramic show, *Fall 2001*
- **Virpets (ETC)**, a real-time virtual character puppeteering system, *Fall 2001*
  
- **Professional PHP4 Programming** (Wrox Press), Author, *2001*
- **Beginning Databases with PostgreSQL** (Wrox Press), Contributing Author, *2001*
  
- **2002 International PHP Conference**, Speaker (PHP Internals Track)
- **2001 International PHP Conference**, Speaker (Applications Track)
- **2001 O'Reilly Open Source Convention**, Speaker (PHP Track)
  
- **The Horde Project**, Core Developer, *1998 to Present*
- **The PHP Project**, Contributing Developer, *2000 to Present*

## Awards and Recognition

- The Honor Society of Phi Kappa Phi, *April 2001*
- Golden Key National Honor Society, *March 2001*
- Rank of Eagle Scout, Boy Scouts of America, *January 1996*

## Activities

- Computer Science House**, *1998 to 2001, Active Alumnus*
- Member of the systems administration group (OpComm / RTP)
  - Director of Research and Development, *1999 to 2000*