Jarrod Lombardo

1827 Richards Rd
Bellevue, WA 98005
Mobile Phone: 505-459-8458
Email: jarrod@network-science.net

Education

B.S. Computer Science, minor in Physics
B.S. Mathematics, minor in Philosophy
New Mexico Institute of Mining and Technology,   Socorro, New Mexico   Graduation May 2005

Coursework of particular note

Presenting Data and Information   Technical Writing
Zero-Defect Software Development   Modern Algebra

Employment Experience

Quality Architect

Forte Staff LLC   Bellevue, Washington   September 2009 – Present
- Enabled employees to effectively fill roles at client sites.
- Negotiated vendor contracts with clients.
- Organized company finances/budget.

UX Advanced Prototyper (Software Design Engineer 3)

Microsoft (Averro)   Redmond, Washington   August 2008 – August 2009
- Designed and implemented WPF/C# UX prototypes individually and as part of multiple teams.
- Created a multitouch gesture contour recognizer and corresponding manipulation library using the Microsoft Surface vision based input system.
- Drove the design and implementation of a tightly-coupled multiuser, multitouch web browsing/searching experience application.

Computer Programmer

Physics Mathematics Computers Inc.   Socorro, New Mexico   February 2005 – March 2008
- Maintained and Extended a 500,000+ line MFC Visual C++ physics simulation and modeling software package. Extensions included implementing new OpenGL functionality, user interface improvements, server to server communications, and physics computations.
- Created a new server to allow simulations to be run remotely over a COM interface.
- Created a new server allowing a customer to configure simulations customized to their application needs.
- Coordinated parts of the project with geographically distant engineers through email.

Student Intern

Arctic Region Supercomputing Center   Fairbanks, Alaska   June 2004 – August 2004
- Researched various cryptographic algorithms.
- Designed C++ MPI and OpenMP parallel programs that attempted to "brute force" passwords encrypted with the crypt(3) algorithm.
- Designed Python string manipulation programs to generate common misspellings and "leet" versions of word lists.

Volunteer Experience

Penny Arcade Expo (www.pennyarcadeexpo.com)

Enforcer Manager   Seattle, Washington   May 2007 – Present
- Worked closely with the Chief of Staff to manage the convention staff (roughly 400 members).
- Created informational documents and training manuals for the new staff members during the lead up to the convention.

Nan Desu Kan (www.ndkdenver.org)

Logistics Staff Head   Denver, Colorado   March 2007 – Present
- Lead the on-site Logistics team to solve problems that come up during the course of the convention.
- Organized the attendee crowds and event line routes.
- Arranged for sparse resources (people and equipment) to be in the right place at the right time.
- Patrolled the convention areas looking for any security or safety risks.
- Mediated minor issues between attendees and staff members.

Specialties

Adaptability, C#, C++, Cleanroom Programming, curses (programming library), Documentation, Formal Logic, Group Management, LaTeX, Leader, MFC Visual C++, Modern Algebra, Python, Troubleshooting, UI Layout, UX Design Implementation, Windows Presentation Foundation (WPF), Zero-Defect Programming