Lisa Koonts
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Internet Software User Interface Developer and Programmer

TECHNICAL KNOWLEDGE
Languages and Standards: JavaScript/ECMAScript, MooTools, CSS, DOM, XHR, JSON, AJAX, HTML/XHTML, SVG, Ruby on Rails, Python, XML, Perl, Simscript.
Applications: BBEdit, Subversion, CVS, TextMate, Fireworks, Illustrator, Dreamweaver, Photoshop, Inkscape, Basecamp, Mediawiki, DeBabelizer, Homesite, QuarkXpress, Freehand, Pagemaker.
Systems: OS X, Linux, Solaris, Palm OS, Unix.

EDUCATION
Masters in Graphic Design, School of Design, North Carolina State University.
BS in Computer Science, North Carolina State University, cum laude.

WORK EXPERIENCE
Sun Microsystems, Menlo Park, CA, 2007-2008. StaffEngineer, Software. Widgets Project, as member of xDesign Department, and Software Virtual Appliance Team Research and Development Project. Widget ideation, user experience, interaction and visual design and prototype development. Collaborate with JavaFX developers on widgets for JavaOne 2008. Explore Virtual Appliance use, configuration and distribution. Create Virtual Appliance Constructor demo. JavaScript, MooTools JS animation, CSS, DOM, XHTML, OVF (Open Virtual Machine Format).

Stealth mode startup, San Diego, CA, 2007. Functional User Interface for user appliance. Prototype for demonstration to prospective investors of startup. Responsive interface for searching through many items including touch screen slider, keyboard and scrolling solutions. JavaScript, XHR, AJAX, CSS, DOM, XHTML, JSON.

Barbwired Design, Washington, DC, 2006. User Interface and Backend Development subcontracting for Bradley Wellness Solutions site. Interaction programming of user and state activated menus. JavaScript, CSS, DOM, HTML.

Project Code Name Bluecanary, San Mateo, CA, 2006. Use Cases and Requirements. Anti-phishing startup.

Voxilla, San Francisco, CA, 2006. GUI and Application Development of a Provisioning Tool for IP Telephony products focusing on the Linksys Voice System 9000, a Multi-line VoIP Telephone System for Small Business and Home Office. Requirements analysis including reverse engineering of technical specifications and documentation to map device profile parameters to features, functionality for product vendor, service provider, customer set up and management interfaces. Simplify IP PBX System configuration user interface. Ruby on Rails, CSS, JavaScript, HTML, SQL, Locomotive, Subversion.

Aidphone, San Mateo, CA, 2005. Hurricane Katrina Disaster Relief Volunteer. Provide organizational support for Aidphone operations and volunteers on the ground and across the country. Partner with other volunteer organizations to organize and build a backhaul, the backbone of the wireless network, from New Orleans to Mobile. Provide telephone service (VoIP) and internet access for shelters in the area of Bay St. Louis, Hancock County, Mississippi.

Kennedy School of Government, Harvard University, Cambridge, MA, 2004. Research Assistant. Research data collection, conversion and formatting for study of computer virus reporting. Python, XML, Excel.

International Financial Cryptography Association, Amsterdam, Netherlands, 2003. Web instruction and site HTML and CSS revamp for **fc2004**, Eighth International Financial Cryptography Conference.

Kennedy School of Government, Harvard University, Cambridge, MA, 2003. Data Conversion. Parse research survey data into structured format. Python, Excel.

On-site event organization assistance for conferences: **O'Reilly Emerging Technology Conference 2003**, Santa Clara, CA, May 2003.; **CodeCon 2.0**, San Francisco, CA, February 2003. Registration, Design printed materials, and Write promotional copy for Linux Journal.; **SHRINKING WORLD, EXPANDING NET**, Cambridge, MA, October 2002. **WSIS PrepCom1**, World Summit on the Information Society PrepCom1, Geneva, Switzerland, July 2002. Civil Society Media Team Organizer and CPSR Representative.; **fc2002**, Sixth International Financial Cryptography Conference, Southampton, Bermuda, March 2002.; **CodeCon 1.0**, San Francisco, CA, February 2002.; **HAL 2001**, Hackers At Large 2001, Enschede, Netherlands, August 2001. On-site Light and Sound Technical Director.

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WorkSpot, Palo Alto, CA, 2002-2003. QA, Documentation, Programming. User testing and documentation of WorkSpot product release. Write suite of scripts to automate running tests on different user configurations, and collate resulting reports. Python. 2000. Interface Design and Programming. Wireless Palm solutions for companies including Barnes&Noble, eBay, OnmiSky. New technology development, contributed code to Palm ROM. Wrote Palm Applications and server backend code. Palm OS, Perl.

InTouch, Amsterdam, Netherlands, 2002. Transitional Project Management. Guide InTouchNet product team through the process of exploring and structuring concepts, content, functionality. Initiate implementation of InTouchNet alpha. **Discan**, Amsterdam, Netherlands, 2001. Project manager. Design process and code structure and procedures for archiving and photo image bank ASP. Restructure bug tracking, code management and team environment.

Evil Geniuses For A Better Tomorrow, Mountain View, CA, 2000-2001. Interface Designer and Programmer. Design and related programming of web based interfaces for MojoNation products. Information visualization of peer-to-peer agent based system. Python, Zope's DTML, HTML, CSS, JavaScript.

Hewlett Packard, Cupertino, CA, 1999. Web Team Manager. Manage marketing communications firm's web development team handling 40-50% of HP's worldwide enterprise and intranet web sites. Structure work processes and team information flow. Problem solving, documentation and training. Write multiple man-hour saving Perl script to automatically create templates used in web site migration into information repository.

Elf Systems, San Jose, CA, 1999. Interface Design and Implementation, Programming. Interface for NCash digital payment and currency exchange project. Included defining interaction process for internal cashiers as well as public users. Intranet site for Divicom Corporation's Sales and Services Division. Visio, HTML, ASP.

Nortel, Raleigh Triangle Park, NC, 1997 - 1998. Information and Interface Design and Implementation. Design intranet site for XPM (Extended Peripheral Module) Software Development Environment. Develop information flow from multiple content sources and existing documentation software. Write software to automate site indexing and facilitate content addition. UNIX(HPUX), FrameMaker+SGML, Perl.

Motorola/AteTrax, Raleigh, NC, 1997. Management, Technical Liaison. Develop requirements, gather and manage team to convert Motorola product web content for viewing in AteTrax kiosk environment.

Interpath, Capitol Broadcasting Corporation, Raleigh, NC 1994 - 1996. Web Design and Technical Support. Structure information flow for Technical Support. Graphic and information design for internet service provider. Design and implementation of first home site for Interpath Subscribers. Generate HTML from database for customer Software Center with early use of breadcrumb navigation. Assist end users with internet connectivity, act as a liaison between clients and network operations, and monitor in-house systems. UNIX(Solaris), Macintosh(OS9), PC(Windows), Perl, FileMaker Pro.

Lighting Technician, Technical Theatre: **Memorial Auditorium, Magic Theatre, Civic Center, Walnut Creek Amphitheater, Reynolds Coliseum, North Carolina Theatre, National Opera Company, Stewart Theatre…**, Raleigh, NC, 1985 - 1996. Technical theatre lighting technician, lighting design, production and management for theatrical productions, concerts, regional bands, raves and events in large to small venues. Member IATSE Local 603. Knowledge of ETC and Kliegl light boards; carbon arc, xenon and halogen spot lights. The Magic Theatre is virtual reality on stage where audience views actors and computer generated effects without 3-D viewing glasses.

Crisis Discs, Raleigh, NC 1992 - 1995. Graphic design for alternative record label. Includes design of logo, label identity, promotional materials, CD and 7" covers.

Jet Propulsion Laboratory, Pasadena CA, 1985. Document and debug war simulation software. Write test log software. Simscript, D-Base, VAX(VMS).

PUBLICATIONS
"**The difference between here and there: what graphic design brings to e-space**." Panel Organizer, SIGGRAPH97, ACM Special Interest Group GRAPHics, Los Angeles, CA, US, 1997.
"**table coffee talk**." Emigre 36, Fall 1995.
"**Multimedia Conversation between Theoretical Physics and Graphic Design**." MGD Thesis, SOD, 1994.

PROJECTS
CrosswordPlayer. Interactive web crossword puzzle player in SVG (Scalable Vector Graphics). Associated work includes developing crossword XML Schema and file format PUZ to XML translator. JavaScript, SVG, LZX, DOM, CSS, Python, XML, RNG, RNC, XSD, DTD.