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Experience

User Experience Design Director April '02 – Present
RADIAN GROUP INC. PHILADELPHIA, PA
Led and managed all user experience design efforts for company-wide web applications. Directed user-centered design across information architecture, high-fidelity prototyping and client-side development integration. Designed and developed robust rich-client user interfaces for web applications. Led enterprise-wide portal aggregation strategy. Served as a key participant in requirements development using the Rational Unified Process and conciliated dissimilar interests between marketing, business, end user, and development teams. Established highly respected thought-leadership by defining emerging industry best practices by publishing articles in industry publications such as IBM developerWorks and User Experience Design Magazine. Recruited, supervised and mentored group of seven user experience designers.

Principal Consultant September '99 – December '02
DESTINY WEBSOLUTIONS. CONSHOHOCKEN, PA
Responsible for the design and development of user interfaces for top financial services companies including Fleet, Mellon, Bessemer Trust and The Bank of New York. Created user-centered interfaces for online account access systems and coordinated branding and information architecture development. Worked closely with business analysts to refine use cases and with developers to execute UI designs. Collaborated with marketing to successfully transition and enhance their existing offline brand to the web while providing enhanced online functionality. Helped develop a staff of six designers and contributed to the documented design methodology.

User Interface Developer June '99 - September '99
CLARITAS INC. ITHACA, NY
Fully developed an Access database front-end to retrieve and compile company metrics and generate quarterly reporting. Used Visual Basic and SQL to automate advanced queries and report generation based on user menu input choices. Created complete documentation of all work to facilitate database maintenance.

Engineering Design Consultant June '98 - June '99
SCHNEEBERGER INC. BEDFORD, MA
Designed high precision motion control positioning systems for semiconductor wafer inspection equipment. Coordinated international team with manufacturing staff in Switzerland, client engineers in California and staff engineers in Boston. Design responsibilities included system vibration analysis, troubleshooting and system performance testing with encoders, servos and feedback control.

Applications Engineer February '98 - June '98
SCHNEEBERGER, INC. BEDFORD, MA
Specified linear motion components for customer specific applications and provided technical support to sales force. Created custom Visual Basic applications to automate product selection. Created complete 3D CAD library of all bearing components.

Product Design Engineer September '96 - February '98
ROTO ARCHITECTURAL HARDWARE SYSTEMS. ESSEX, CT
Designed window hardware locking systems using advanced kinematics. Responsible for product's entire development including conceptualization, prototyping and testing. Created product exhibition packages for prospective customer presentations.

Research

Formed and led research team in Cornell's Human Power Lab to study and improve mountain bike rear suspension systems focusing on rider ergonomics. Performed a complete free-body analysis of bike/rider system to determine best suspension linkage and pivot location. Calculated optimum design. Built full scale working prototype.

Skills

HTML, DHTML, CSS, JavaScript, AJAX, ASP, JSP, DreamWeaver MX, Photoshop, ImageReady, Flash, InDesign, Illustrator, Access, Visio, BEA WebLogic Portal, Microsoft Sharepoint

Education

Cornell University. Ithaca, NY. Bachelor's of Science, Mechanical Engineering (Human Factors/Ergonomics) 1996

Publications

"Strike a Balance: User's Expertise in Interface Design". IBM DeveloperWorks. September 4, 2003
"Create rich client apps with the DOM". IBM DeveloperWorks. February 17, 2003
"The Requirements Rift. The missing ingredient between requirements and successful application development". User Experience Magazine. Spring/Summer 2004
"Design interactive error handling for Web apps". IBM DeveloperWorks. February 14, 2005.
"Content Personalization: Planning and Implementation". BEA Dev2Dev. June 29, 2006.
"User Interface Design - Taking the Good with the Bad". Digital Web Magazine. July 18, 2006.
"Integrate your web apps with a unified user experience". IBM DeveloperWorks. September 19, 2006.

Awards

Finalist for the Macromedia Flash Usability Contest
Grand Prize Winner of Solid Solutions cover contest for SolidWorks 3D design
Published in Machine Design, Mechanical Solutions and Runner's World
Winner of Cornell Bridge Design Contest
Varsity Letter Winner in Men's NCAA DI Varsity Track and Cross Country
Featured in New England Runner
Winner of the 1999 Boston Prudential Stairclimb, Winner of the 2004 Philadelphia Race for the Cure