

Jeroen Keijser



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LinkedIn Profile



jeroenkeijser@gmail.com



October 2013

User Experience Designer

Education

Professional Doctorate In User System Interaction

Technical University of Eindhoven, Eindhoven, Netherlands

June 2008

Masters of Science in Computer Science

University of Calgary, Calgary, Canada (Supervisor Dr. Sheelagh Carpendale)

Dissertation: Alternate 3D Control-Display Mappings

GPA 3.83 / 4.0

June 2002

Bachelor of Science in Computer Science

University of Calgary, Calgary, Canada

GPA 3.35/4.0



Relevant Skills

Human-Computer Interaction Related Skills:

- Designed, implemented, and ran a quantitative user study exploring how people interact in 3D
- Ran a participatory design study exploring interaction design mechanics
- Conducted a questionnaire-based study exploring visual emotive languages
- Developed a rock climbing software system using task-centered design, observational study, and paper prototyping / mock-ups

Software Development Related Skills:

- Solid iterative design skills:
 - Created interaction designs in a myriad of mediums, from wearables fashion to virtual reality to traditional desktop user interfaces using iterative design processes
- Refined development skills:
 - Successfully integrated various technologies and languages as needed for 3D motion tracking
 - Praised by peers for clean, efficient, human-readable, and bug-free code

Problem-Solving / Analytical Skills:

- Designed 3D motion tracking system based on available technologies
- Researched existing systems, analyzed findings, designed in-house system within budget
- Implemented, tested, and used the resultant system to study interaction paradigms

Communication and Interpersonal Skills:

- Solid verbal communication skills:
 - Taught Computer Science and ballroom dance courses, requiring student-tailored explanations
- Highly-developed written communication skills:
- First author of presented conference publication at an IEEE Symposium on 3D User Interfaces
- Co-led design sessions and participated on multi-disciplinary teams:
 - Collaborated with artists, engineers, and designers resulting in successful new media interactive pieces

Organizational and Time Management Skills:

- Concurrently was a teaching assistant, a student researcher, volunteer teaching-assisted ballroom dance classes, and took graduate courses while maintaining a high academic standard

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January 2013–
present

Technical Skills:

- Languages: C#, OpenGL, Java (J2SE) / Java 3D, C, C++, XML, HTML, Flash, .NET, Perl, PHP, Pascal, Visual Basic, COM
- Software: MS Office, Virtools, Emacs, Xampp, CodeIgniter, ANT, CVS, Visual Studio
 - Operating Systems: Windows 7,8, Windows XP, Solaris 8/9 (Gnome, CDE), Linux

Related Experience

Clinical Researcher /User Experience Designer (Contractor)

Philips Research, Eindhoven, Noord-Brabant, Netherlands

- Designing the front-end user interface for clinical trial recruitment and trial feasibility on the EURECA platform
- Visited Clinical Partners to understand context of use
- Iterative GUI Mockup generation with feedback from both clinicians and technical partners
- Presented the User Experience design to European commission as part of the annual review of EURECA
- Planning a workshop for the Oncology summer school for further engagement with end users
- Using the mockups as the basis for implementing the GUI on the .Net platform
- Environment: Windows 7, Adobe Illustrator, Balsamiq, C#, .Net, MS Blend, MS Visual Studio 2012

June 2008–
August 2011

Freelance Web Developer/ Small Business Startup

Various clients, Nanaimo, British Columbia, Canada

- Consulted with the business owners on the design and layout of the respective web sites
- Designed marketing materials including logo design, and business cards
- Created mini-site that was a key component in an effective marketing campaign
- Assisted in the physical practicalities of setting up two hospitality businesses
- Implemented content-first source ordering for accessibility and search engine optimization (SEO)
- Researched web hosting and domain registration options and presented them to the owners
- Environment: Windows XP, Xampp, PHP, jQuery, PhpWiki, JAlbum, HTML, CSS

May 2004–
May 2005

Visualization Researcher / Software Developer

Banff New Media Institute, Banff, Alberta, Canada

- Developed various low and medium fidelity prototypes to test the interaction design before creating the final pieces
- Co-designed and created wearable fashion pieces (included Smartphone development, MicroC on a microprocessor, wireless Bluetooth headphones, and Bluetooth to communicate between all)
- Visual programming in Virtools and Max/MSP/Jitter and custom plugin development
- Conducted participatory design, questionnaires, and informal user interaction studies such as creative storytelling design sessions to develop convincing and engaging interaction
- Environment: Windows XP, Smartphone, Virtools, Maya, Max/MSP/Jitter, MicroC, C, C++, Java, Phidgets, Motes, Bluetooth