

Christopher Monnier
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Summary of Qualifications

Broad experience in a variety of disciplines spanning marketing, product design, and user experience. Intensely curious, naturally inquisitive, and extremely passionate about optimizing the user experience. Known for creating compelling visuals and communicating effectively. Recognized for ability to ask critical questions, think strategically, and operate independently.

Computer Skills

Proficient in Adobe Creative Suite (primarily Illustrator, Photoshop, and Flash), Solidworks, MS Office Applications, and HTML (with CSS); Skilled in MS Visio, ActionScript 3.0, and Visual Basic .NET

Languages

Fluent in English, working knowledge of German

Work Experience

July 2009-Present: Senior Engineer, Human Factors and User Experience

September 2007-June 2009: Engineer, Human Factors and User Experience

Boston Scientific Cardiac Rhythm Management, St. Paul, MN

Conduct marketing and design research with patients and clinicians; Develop system requirements pertaining to user experience; Design visually compelling graphical user interfaces; Develop preliminary industrial design concepts and manage industrial design efforts with external vendors; Perform formative and summative usability validation testing; Revise and help create internal processes to ensure compliance to external human factors/usability standards, particularly IEC 62366.

November 2005-September 2007: Mechanical Engineer, Leads Research and Development

Guidant/Boston Scientific Cardiac Rhythm Management, St. Paul, MN

Created and evaluated product requirements for implantable defibrillator leads and surgical implant accessories; Started a first-of-its-kind database to manage product inventory for test purposes; Created and improved data entry forms such that the potential for use error is minimized; Designed novel mechanical fixtures for verification testing using Solidworks.

June 2004-November 2005: Intern, Mechanical Engineering

Logic Product Development, Minneapolis, MN

Designed and tested prototypes for novel third-party consumer products and Class II medical devices; Created manufacturing assembly instructions with graphics and text designed to improve ease-of-use; Brainstormed, created, and designed product components in 3D modeling software.

September 2003-July 2005: Research Assistant for Dr. Will Durfee's Human/Machine Design Lab

University of Minnesota—Twin Cities, Department of Mechanical Engineering

Designed and developed Visual Basic-based software and graphical user interface for vehicle data acquisition system to clinically evaluate cognitively-impaired individuals; Created comprehensive interactive on-screen instructions to teach users how to operate a driving simulator; Developed challenging software-based driving scenarios to evoke differences in performance between cognitively-impaired and non-impaired individuals.

May 2002-September 2003: Product Catalog Specialist, Marketing

Horton Inc., Roseville, MN

Leveraged design and communication skills to work turn what was supposed to be a simple one-summer data entry project into a collaborative (with a consulting company) effort that resulted in a vastly-improved web user interface that simplified user interaction with Horton's online product catalog; Worked with a consulting company to establish an efficient, reliable database that met both business and customer needs; Manipulated engineering drawings to create vector image files of product designs.

Education

BSME, May 2003, University of Minnesota—Twin Cities, Minneapolis, MN; 3.89 GPA.

MSME, January 2006, University of Minnesota—Twin Cities, Minneapolis, MN; 3.94 GPA.

Honors and Awards

Co-inventor on U.S. Patent Application 20090117525

Awarded Guidant Graduate Fellowship, 2003.

BSME awarded with High Distinction.

Relevant Graduate-Level Courses

New Product Design and Business Development, Designing Smart Products, User Interface Design, Psychology of Human-Machine Interaction, Foundations of Human Factors, Human-Centered Design, Human Factors and Design, and Human Factors and Work Analysis

References

Available upon request.