

**Christopher Monnier**

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## **Summary of Qualifications**

Broad experience in a variety of disciplines spanning marketing, user interface design, and product design. Passionate about optimizing the user experience. Known for creating compelling graphics and organizing information effectively. Recognized for ability to ask critical questions, learn quickly, and think independently. Not afraid to go against the grain when "the grain" is wrong.

## **Computer Skills**

Proficient in Adobe Illustrator, Adobe Photoshop, Solidworks, Macromedia Dreamweaver, MS Office Applications, and HTML (with CSS); Skilled in MS Visio, Visual Basic .NET, and C/C++; Working knowledge of PHP, SQL, and JavaScript.

## **Languages**

Fluent in English, working knowledge of German

## **Work Experience**

*November 2005-Present: R&D Mechanical Engineer*

Boston Scientific, St. Paul, MN

Create and evaluate product requirements for medical devices; Develop and write test protocols and reports to evaluate the mechanical performance of medical devices; Create and improve data entry forms such that potential for user error is minimized; Initiated effort to implement a test article inventory system to manage, control, and archive test articles; Designed novel mechanical fixtures using Solidworks.

*June 2004-November 2005: Intern, Mechanical Engineering*

Logic Product Development, Minneapolis, MN

Created manufacturing assembly instructions with graphics and text designed to improve ease-of-use; Brainstormed ideas and developed concepts to be used in new consumer products; Created and modeled product components in Solidworks; Sourced components from overseas.

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

University of Minnesota—Twin Cities, Department of Mechanical Engineering

Created and refined Visual Basic-based software and graphical user interface for vehicle data acquisition software 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

Helped design and implement a vastly-improved web user interface to simplify user interaction with Horton's online product catalog; Manipulated engineering drawings to create vector graphic files of product designs; Collaborated with a consulting company to establish an efficient, reliable system of entering product information into a database while maintaining data integrity.

## **Education**

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

MSME, January 2006, University of Minnesota—Twin Cities, Minneapolis, MN; 3.96 GPA.

## **Honors and Awards**

Awarded Guidant Graduate Fellowship, 2003.

BSME awarded with High Distinction.

Member of undergraduate Dean's List 10 times.

## **Relevant Graduate-Level Courses**

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

## **References**

Available upon request.