David Fenigstein

User Experience Researcher/Designer

Contact

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Science focused UX researcher and designer; creating solutions that make complex concepts simple, understandable, and enjoyable. I strive to bring out the best in collaborators through a process-driven approach. I believe good conversations are the beginnings of great ideas.

Skills

Heuristic Evaluation
Information Architecture
User Research
Competitive Analysis
Interaction Diagrams
User Stories
Wireframing
Rapid Prototyping
Mobile and Responsive Layouts
High-Fidelity Mockups

Toolbox

Pen and Paper
Whiteboards
HTML
CSS
Adobe Illustrator
Omnigraffle
Axure
InVision
MATLAB

[working knowledge of]
Javascript(jQuery)

Honors & Awards

NASA Group Achievement Award (2011)
University of Michigan Rackham Merit Fellowship (2008 – 2012)

Key Projects

Infield Health – Performed a complete redesign of a patient navigation application. Our design is currently under development and will be displayed at this coming TED-Med conference in San Francisco
Foursquare – Designed a payment feature on Foursquare's Swarm application. Our design is under consideration for a stand-alone application.

Education

General Assembly, Washington, DC
User Experience Design Immersive. 10 weeks of all day, every day UX design

University of Michigan, Ann Arbor, MI
MSE. Electrical Engineering
MS. Atmospheric, Oceanic, and Space Science

Oberlin College, Oberlin, OH
BA. Psychology

Research & Analysis

08/2010 – 08/2011 **Glaciology Research Group**
University of Michigan, Ann Arbor, MI
Graduate Research Assistant

- Developed a new, unique method for mapping subglacial hydrology using magnetometers.
- Modeled changes in the Earth's magnetic field due to subglacial water using MATLAB.

06/2008 – 08/2010 **Remote Sensing Group**
University of Michigan, Ann Arbor, MI
Graduate Research Assistant

- Performed integral tasks in creation of an interferometer measuring hurricane wind vectors.
- Built the DSP software using Fourier synthesis of anechoic chamber data.
- Characterized the HIRAD antennas and receivers, and analyzed flight results in the field.

Teaching

08/2006 – 03/2007 *Math Teacher* **The Vistamar School**
08/2003 – 08/2006 *Physics Teacher* **The Oxbow School**
08/2002 – 08/2003 *Physics Teacher* **The New Hampton School**

- Designed the physics curriculum for two start-up private high schools.
- Developed and taught a course combining 20th century physics, art, literature, and philosophy.
- Taught math and physics at all levels of high school

Publications

Fenigstein, D., C. Ruf, M. James, D. Simmons, T. Miller, C. Buckley, "Analysis of Anechoic Chamber Testing of the Hurricane Imaging Radiometer," Proc. 2010 International Geoscience and Remote Sensing Symposium, Honolulu, HI, USA, pp. 550-553, 26