

Harry Nguyen

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EDUCATION

MA, Applied Cognitive Psychology

University of Houston-Clear Lake, Houston, TX
Overall GPA: 3.97

Expected Dec 2011

BA, Psychology

University of St. Thomas, Houston, TX
Overall GPA: 3.4
Major GPA: 3.9

May 2009

HONORS/AWARDS

- Psi Chi Honor Society, University of St. Thomas 2007
 - St. Thomas Aquinas Dean's List, University of St. Thomas 2006-2009
 - St. Thomas Aquinas Academic Scholarship, \$36000, University of St. Thomas 2005-2009
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MEMBERSHIP

- HFES (Human Factors and Ergonomics Society) Student Chapter at UHCL
Fundraising Committee (2010)
Member (2009, 2010, 2011)
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PUBLICATIONS

Ritchey, P, Muse, L., Nguyen, H., Burks, R., and Peres, S.C. (2010). Effective Design of Auditory Displays: Comparing Various Octave Ranges of Pitch and Panning. *Proceedings of the International Conference on Auditory Displays*, Washington, D.C.: International Community for Auditory Displays.

POSTERS AND PRESENTATIONS

- Burks, R. & Nguyen, H., (April 2011). *Ergonomic Evaluation of Loading Carts in Home Improvement Stores*. Presented at the University of Houston-Clear Lake Student Conference.
- Nguyen, H. (December 2010/April 2011). *Redesign of a Church Website, BAUUC.org*. Presented at the University of Houston-Clear Lake Applied Cognitive Psychology Student Exhibition.
- Ritchey, P, Muse, L., Nguyen, H., Burks, R., and Peres, S.C. (April 2010). *Effective Design of Auditory Displays: Comparing Various Octave Ranges of Pitch and Panning*. Poster presented at the University of Houston-Clear Lake Student Conference.
- Ritchey, P, Muse, L., Nguyen, H., Burks, R., and Peres, S.C. (May 2010). *Effective Design of Auditory Displays: Comparing Various Octave Ranges of Pitch and Panning*. Poster presented at the Houston Human Factors and Ergonomics Society Annual Symposium.
- Nguyen, H. (April 2010). *Redesign of a Music Stand*. Presented at the University of Houston-Clear Lake Applied Cognitive Psychology Student Exhibition.
- Nguyen, H. (December 2009). *Redesign of a Protein Shaker Bottle*. Presented at the University of Houston-Clear Lake Applied Cognitive Psychology Student Exhibition.
- Menchaca, B., Le-Nguyen, J., & Nguyen, H. (April 2009). *Intrinsic and Extrinsic Motivational Drives in College Students*. Poster presented at the Undergraduate Research Symposium at the University of St. Thomas, Houston.
- Garza, A., Gonzales, S., Ramirez, G., Nguyen, H., Olowu, A., & Prentice, L. (April 2007). *Reliability of Job Stress Measures*. Poster presented at the Undergraduate Research Symposium at the University of St. Thomas, Houston.

PROJECTS

- **Redesign of a Protein Shaker Bottle**
 - Went through the user centered design process and identified problems with current protein shaker bottles.
 - Developed a working prototype of a protein shaker bottle top with Styrofoam.
 - Users rated the prototype favorably.
- **Redesign of a Music Stand**
 - Conducted steps of the user centered design process to identify hassles with the current design of music stands, specifically those which are most commonly used in orchestras, which are Manhasset stands.
 - Created an add-on that would slide out from behind the stand to almost double the length of the stand resulting in more pages put on the stand simultaneously.

- Users rated the prototype favorably.
- **Redesign of a church website, BAUUC.org**
 - Conducted interviews and surveys to members of the Bay Area Unitarian Universalist Church as well as non-members to see the types of information desired in a church website.
 - Results of the surveys informed the design of user testing protocol, which asked participants to complete eight tasks with the current church website.
 - User testing results identified problems with several aspects of the current website, which were then presented to stakeholders.
- **Living Room Keyboard Dock**
 - Designed a dock for a person's lap that was able to accommodate both a keyboard and mouse.
 - Target audience was people who hook up their computer with their television in a living room setting.
 - Users rated the prototype (made from Styrofoam) favorably.
- **Evaluation of Loading Carts in Home Improvement Stores**
 - In this study two specific carts were analyzed and evaluated for compliance with anthropometric data of the user population
 - Design recommendations were made to decrease the risk of musculoskeletal disorders.

RESEARCH EXPERIENCE

- **Effective Design of Auditory Displays: Comparing Various Octave Ranges of Pitch and Panning, University of Houston-Clear Lake, Fall 2009 – Spring 2010**
 - Investigated whether the octave range of pitch utilized for auditory graphs impacted performance, as well as the effects of including the acoustic dimension panning to give participants added temporal context.
 - Paper accepted for publication in The 16th Annual International Conference on Auditory Display (ICAD) 2010.
- **Intrinsic and Extrinsic Motivational Drives in College Students, University of St. Thomas, Spring 2009**
 - Replicated a study that investigated intrinsic and extrinsic motivation among college students.
- **Reliability of Job Stress Measures, University of St. Thomas, Spring 2008**
 - Assessed reliability of several job stress measurement scales used in a classmate's study.

RELATED EXPERIENCE

Work Experience

- **University of St. Thomas** Houston, TX
Doherty Library Computer Lab 08/06 – 05/09
Monitored user activities and helped with any technical needs.
- **University of St. Thomas** Houston, TX
Department of Psychology 08/08 – 05/09
Assisted Psychology professors with various secretarial needs and technology problems.
- **University of St. Thomas** Houston, TX
Teaching Assistant 08/08 – 05/09
Assisted a Psychology professor with Blackboard, graded student quizzes, helped set up virtual classroom via Skype and webcam.
- **University of St. Thomas** Houston, TX
IT Helpdesk 08/06 – 08/08
Assisted faculty, staff, and students with their technology problems. Set up accounts for new students and reset forgotten passwords. Put in work orders for technicians if needed.

RELATED COURSEWORK

- Research Design and Statistical Measurement I & II
- User Centered Design
- Human Factors Methods and Analysis
- Human Factors Engineering
- Ergonomics and Workplace Design
- Practicum in Human Factors and Ergonomics
- Human Factors and Ergonomics Seminar