

EDUCATION:

- Ph.D. Systems Science and Developmental Psychology*** Expected graduation: November 2009
Portland State University, Portland, OR
- M.S. Applied Developmental Psychology*** 2005
Portland State University, Portland, OR
Thesis: "Low socio-economic, African American middle school students:
Can a museum visit enhance science learning and attitudes toward science?"
- B.A. Psychology (Summa Cum Laude)*** 2001
United States International University (USIU), San Diego, CA

RESEARCH AND EVALUATION EXPERIENCE:

- Research Associate*** 2007–Present
Exploratorium, San Francisco, CA

Design and implement in-house research and evaluation projects. Work closely with developers to coordinate evaluation studies, analyze and report findings, and brainstorm ideas to achieve project and developer goals. Conduct literature reviews to inform exhibit development and research topics and methods. Provide statistical support for the VR&E Department.

Research and Evaluation Intern

- Institute for Learning Innovation, Annapolis, MD 2004
Developed instruments, analyzed data, co-authored project reports, and participated in project meetings. Provided support for the NSF-funded conference, *In Principle, In Practice*.

Exhibits Evaluation Intern

- Oregon Museum of Science and Industry (OMSI), Portland, OR 2002–2005
Conducted an extensive literature review focused on issues and methods for research with small children that culminated in the development of a handbook for OMSI evaluation staff. Conducted comparative research with children and caregivers in the museum context—designed studies and methods; collected, entered, and analyzed data; and reported summary findings. Coordinated thesis to provide pertinent fieldtrip information to OMSI and Portland Public Schools.

Contracted Evaluator

- Garibay Group 2006–2007
Created protocols, conducted phone interviews, analyzed qualitative results, and summarized findings for two visitor programs, Para Los Niños and Math In Zoos and Aquariums.

- Evergreene Research and Evaluation (at OMSI, Portland, Oregon) 2006
Conducted time sampling observations and brief interviews for the remedial evaluation of "Animal Secrets," an exhibit developed for young children and their parents.

- People, Places & Design Research (at OMSI, Portland, Oregon). 2004
Conducted interviews for the "Current Science" project for the Science Museum of Minnesota, an NSF-funded multi-site study of visitors' interests regarding science issues in the news.

Statistical Consultant

- Oregon Health and Sciences University (OHSU), Portland, OR 2004
Assisted with funding proposal by conducting a meta-analysis of past research findings in the area of home and family care for attention deficit disorder children. Collected published statistical reports, conducted statistical meta-analytic procedures, interpreted and reported results.

Research Assistant

- Portland State University, Portland, OR 2002–2004
Aided in transcribing, cleaning, and formatting data for sequential analysis observations.
- United States International University (USIU), San Diego, CA 1998–2000
Helped to design and conduct studies, write and proofread proposals and surveys, and develop statistics for decision-making research studies.

TEACHING EXPERIENCE:

- Statistics Lab Instructor (Graduate Student Quantitative Statistics Series)*** 2005–2007
Portland State University, Portland, OR
Developed lab lectures, handouts, and assignments for univariate, multivariate, covariate structural modeling (CFA and SEM), and research design graduate courses. Lectured in laboratory setting, graded assignments, provided student consultation, and proctored exams.
- Instructor (Human Development)*** 2005
Portland State University, Portland, OR
Developed and delivered course materials, assignments, and lectures regarding lifespan human development.
- Teaching Assistant (Human and Adolescent Development)*** 2002–2005
Portland State University, Portland, OR
Lectured in Human Development classes, provided consultation and assistance during office hours, provided technical support, proctored exams, and produced grading records.
- After-School Program Teacher*** 2000–2001
International Rescue Committee, San Diego, CA
Provided instructional aid and entertaining environment for East African refugees.
- After School Program Assistant*** 1997–1998
NAACP, San Diego, CA
Volunteered to help young students from inner-city schools with homework and established a safe, enjoyable after-school environment.

PROFESSIONAL AFFILIATIONS AND SERVICE

- Oregon Informal/Free-choice Learning Interest Group (OIFLIG)*** 2006–Present
Co-founded an interest group to facilitate communication and collaboration among Oregon professionals including affiliates of Oregon State University, Portland State University, David Heil & Associates, and the Oregon Museum of Science and Industry.
- Visitor Studies Association*** 2005–Present
As a member of the Board Development Committee, assisted in updating Board election procedures, recruitment and review of potential Board members, and development of the slate for the current Board election.
- American Evaluation Association*** 2007
- Network of Informal Stem Educators (NOISE)*** 2007
As a member of the funding committee, participated in conversations surrounding the procurement of funds for a NOISE Website and annual conference or retreat.

CONFERENCE PRESENTATIONS AND POSTERS:

- Dancu, T. *Comparing three methods for measuring children's engagement with exhibits: Observations, caregiver interviews, and child interviews.* Poster presented at Visitor Studies Association, July 2006.
- Dancu, T. *The effect of perceived exhibit relevance on cognitive and affective learning for low socio-economic status, African American students.* Presented at Visitor Studies Association, August 2005.
- Dancu, T. & Cooper, R. *Choice versus action: Are hypothetical choices the same as consequential choices?* Poster accepted to the Society for Judgment and Decision Making, September 2001.

TECHNICAL REPORTS:

- Dancu, T. & Storksdieck, M. (2004). *Formative evaluation: CAUSE summer camp*. Unpublished manuscript, New Jersey State Aquarium (40 pages).
- Ellenbogen, K., Dancu, T., & Kessler, C. (2004). *Microscope Imaging Station Summative Evaluation*. Unpublished manuscript, Exploratorium, San Francisco (45 pages).
- Jones, D. & Dancu, T. (2004). *Goosebumps!: The Science Behind Feeling Scared: Formative Evaluation*. Unpublished manuscript, California Science Center (36 pages).
- Dancu, T., Clark, J., Leo, M. C., & Kendall, J. (2004). *Meta-analysis of the effect of home and family-based case management interventions for families with at-risk children on child outcomes and family functioning*. Unpublished manuscript, Oregon Health and Sciences University School of Nursing (5 pages).
- Dancu, T. (2003). *Handbook of research methods: Conducting research with children two to seven years old*. Unpublished manuscript, Oregon Museum of Science and Industry Evaluation Department (189 pages).

COMPUTER SKILLS:

Proficiency: SPSS, AMOS, Excel, Power Point, Word, Websurveyor, SurveyMonkey, Dreamweaver, Vensim, and academic search engines

SCHOLARSHIPS AND AWARDS:

| | |
|--|--------------|
| <i>Tuition and stipend fellowship from PSU</i> | 2002–Present |
| <i>Oregon Sports Lottery Scholarship</i> | 2005–Present |
| <i>Psi Chi Honor's Club</i> | 2000–Present |
| <i>Presidential Scholarship from USIU</i> | 1997–2001 |
| <i>National Dean's List</i> | 1997–2001 |