

# Thanh Truc T. Nguyen

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## Curriculum Vitae

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### Summary and Objective

Science and technology educator with strong interest in combining marine science with educational technology and administration through evaluation, assessment, development, and delivery of science curricula and programs. Highly motivated to examine and incorporate emerging educational technologies into school systems with emphasis on working within, between and across organizations.

### Academic Degrees

Ed.D.	University of Southern California Expected August 2006	2006	Educational Leadership
M.Ed.	University of Hawai'i at Mānoa	2000	Educational Technology
B.A.	University of Hawai'i at Mānoa	1996	Zoology

### Other Education

Certificate	Marine Option Program University of Hawai'i at Mānoa	1996	Marine Education
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### Professional Experience

May 2003 to present	<b>Instructional Designer</b> Learning Technology Section, Curriculum Research & Development Group College of Education, University of Hawai'i <ul style="list-style-type: none"><li>Co-designed Web-accessible database for reading program to allow score entry, retrieval, updating, and chart requests. Designed Web interface using CDML and HTML programming and maintained back-end database. Led communication with project leaders via data reports for evaluation including simple statistics and status reports of database modifications.</li><li>Reviewed, filmed, and edited middle school science classroom video footage with a primary emphasis on process and protocol and secondary emphasis on science as inquiry. Assessed effectiveness of electronic enhancements to existing science curricula. Developed instructional strategies for electronic enhancements to existing science curricula.</li><li>Served as lead evaluator and writer of school safety program.</li><li>Advised graduate students in the Masters in Teaching and Masters in Educational Technology.</li></ul>	Honolulu, HI
Jun 2002 to May 2003	<b>Project Manager/Lead Instructional Designer</b> School Assisted Interactive Learning Project Learning Technology Section, Curriculum Research & Development Group College of Education, University of Hawai'i <ul style="list-style-type: none"><li>Oversaw management of multi-university grant to develop ten distance-learning courses for the Department of Defense Education Activity including courses in the areas of marine biology, science research, mathematics, economics, and computer science. Coordinated communication and collaboration environment and strategies for Distance Learning Principal and three university partners in an international setting. Researched and shared current trends of educational technology in relation to teacher education, student assessment, and Advanced Distributed Learning initiatives.</li></ul>	Honolulu, HI

- Oct 2000 to  
Jun 2002
- Instructional Designer/Teacher Educator** Honolulu, HI  
Technology Innovation and Teacher Education Collaborative  
Learning Technology Section, Curriculum Research & Development Group  
College of Education, University of Hawai'i
- Managed design and development of educational organization Web site consisting of 25 static pages and over 30 dynamic pages linked to informational databases. Established communication protocols for various work teams and information flow from department to main University system. Aligned content and visual standards to W3-Consortium guidelines and U.S. Federal mandates on Web accessibility (508).
  - Developed instructional hierarchies for Department of Defense Education Activity classes including science research seminar, and calculus, and computer science.
- Aug 2000 to  
Oct 2000
- Junior Specialist** Honolulu, HI  
Curriculum Research & Development Group  
College of Education, University of Hawai'i
- Assisted in research of Science (now School) Web of Instructional Media database, which utilized textbook to media connections on the World Wide Web.
- Sep 1999 to  
May 2000
- Graduate Assistant** Honolulu, HI  
Curriculum Research & Development Group
- Assisted in literature review research in cognitive educational technology and development.
- Sep 1998 to  
Aug 1999
- Instructional Designer** Honolulu, HI  
Department of Educational Technology  
University of Hawai'i at Mānoa
- Planned, organized, and delivered five two-hour professional development workshops over a twelve week period for science and math College of Education professors on use of technology-based learning tools in science and mathematics undergraduate and graduate courses. Planned and delivered informational two day workshops on data collection probes in field work for elementary school teachers, emphasizing theoretical and practical aspects. Workshops focused on the integration of technology into the science curriculum and communications. Represented team and presented findings at Annual Statewide Technology in Education Conference.
- Aug 1998 to  
Aug 2000
- Research Collaborator** Moss Landing, CA  
Monterey Bay Aquarium Research Institute
- Researched and designed informational web sites for college internship program of respected marine research institution. Developed and delivered three workshops on design of web pages geared for scientific audiences and general public.
- Jun 1997 to  
Jun 1998
- Evaluation Consultant** Honolulu, HI  
The Nature Conservancy of Hawai'i
- Developed evaluation and assessment modules for native Hawaiian plant program, Project Stewardship, at Honouliuli reserves. Extracted and evaluated program objectives. Designed quantitative and qualitative evaluation tools. Organized and composed final formative and summative evaluation report on pilot project including statistical analysis of behavioral objectives. Evaluated classroom and field delivery of program curricula. Assisted with development and delivery of teacher workshops.
- May 1994 to  
May 1998
- Program Manager/Coordinator Support** Honolulu, HI  
Blue-Water Marine Laboratory, Waikiki Aquarium
- Assisted in the maintenance of the administration of the program in absence of a Program Coordinator. Evaluated program goals and objectives during transition from ship-based to shore-based program. Researched sources of grant funding. Mentored university undergraduate and high school students. Assisted with first structure and development of Waikiki Aquarium Education Department Web Site.

## Teaching Experience

- Aug 2005 to present      **Teacher, Computer Literacy**      Honolulu, HI  
University Laboratory School  
Curriculum Research & Development Group
- Developed, revised, and taught computer literacy curriculum for secondary students. Assisted in development of Internet safety policies at K-12 new century public charter school.
- Jun 2000 to Aug 2000      **Teacher, Science Enrichment and Computer Arts**      Honolulu, HI  
University Laboratory School Summer Programs
- Researched, developed, and taught class for 3<sup>rd</sup> grade graphics and design course, 4<sup>th</sup> grade marine science enrichment class, and 6<sup>th</sup> grade multimedia course.
- Jun 1999 to Aug 1999      **Teacher, Computer Arts**      Honolulu, HI  
University Laboratory School Summer Programs
- Researched, developed, and taught class for 5<sup>th</sup> grade computer course focused on communications, and 6<sup>th</sup> grade multimedia course. Engaged students to develop Hyperstudio electronic portfolios, design and create and WebPages, communicate with businesses and internationals schools through fax, phone, and email, and research and evaluate information on the Internet.
- Jun 1999 to Sept 1999      **E-school Education Assistant**      Honolulu, HI  
State of Hawai'i Department of Education
- Researched and aligned newly developed science courses in first effort of e-Learning in the State of Hawaii to state science standards for online coursework.
- Nov 1998 to Apr 1999      **Education Assistant**      Honolulu, HI  
Hanauma Bay Education Program  
University of Hawai'i Seagrant College Program
- Redesigned existing website to incorporate educational elements into navigation scheme for use by school groups. Implemented new system for educational visits by school groups. Evaluated and developed one-year educational center floor plan design and exploration station information. Implemented new volunteer rotation system. Created new signs and displays with conservation and stewardship themes.
- May 1995 to present      **Guest Instructor**      Honolulu, HI  
Community Enrichment Program, Waikiki Aquarium
- Lead community groups through various enrichment classes—reef walks, aquarium night tours, aquarium overnights. Evaluated classes and provided feedback to community enrichment program coordinator.
- May 1994 to May 1998      **Cruise Leader/Instructor**      Honolulu, HI  
Blue-Water Marine Laboratory, Waikiki Aquarium
- Trained Cruise Leader Trainees. Trained selected high school students as peer instructors in a shipboard setting. Supervised selected high school students for one week aboard a University of Hawai'i Research Vessel. Counseled students on prioritizing between school and other activities. Taught various marine organism (limu, invertebrates, sediment) identification courses.

## Internships and Fellowships

- Jun – Aug 1998      **Summer Intern: Science, Technology, and Library Studies**      Moss Landing, California  
Monterey Bay Aquarium Research Institute
- Mar 1998      **Graduate Education Intern**      Honolulu, HI  
Department of Land and Natural Resources, State of Hawaii

## Grants

2006-2007          \$1600          SMARTer Kids™ Grant for SMART Products, Grant #161450YYC

## Publications

- Nguyen, T.T. & Lai, M. (2003). School Safety Project: CRDG Internal Evaluation Report. Curriculum Research & Development Group, University of Hawai'i.
- Iding, M., Landsman, R., & Nguyen, T. (2002). Critical evaluation of scientific websites by high school students. In D. Watson & J. Anderson (Eds.), Networking the Learner: computers in education (pp.373-382). Norwell, MA: Kluwer Academic Publishers.
- Klemm, E.B. Iding, M.K. Speitel, T.W. Nguyen, T.T. (2002). Designing Web-accessible virtual professional development for teachers. 35th Annual Hawai'i International Conference on System Sciences Conference Proceedings, Big Island, Hawai'i
- Crosby, M., Iding, M., Nguyen, T., & Shimabuku, T., & Speitel, T. (2001). Capturing students' note-taking strategy with audio recording techniques. 9th International Conference on Human-Computer Interaction Conference Proceedings, New Orleans LA.
- Iding, M., Crosby, M., Speitel, T. W., Shimabuku, T. and Nguyen, T. (2001). Cooperative and collaborative learning in computer-based science instruction. 34th Annual Hawai'i International Conference on System Sciences Conference Proceedings. Maui, HI.

## Multimedia Publications

- Nguyen, T.T. (2005). *Physics and Physiology Teacher Recruitment DVD-ROM*. Honolulu: Curriculum Research & Development Group.
- Nguyen, T. T. (2005). USC California Policy Institute Website, University of Southern California. Available at <http://www.usc-cpi.org/>. Last accessed May 3, 2006.
- Speitel, T. W., Gray, M., Inouye, B., Sosso P., & Nguyen, T. (2004). *FAST Electronic Resource DVD-ROM*. Honolulu: Curriculum Research & Development Group.
- Speitel, T. W., Alvarez, P. A., Nguyen, T., & Inouye, B. (2004). *Values for a Democratic Society DVD ROM*. Gardena, California: Go for Broke Foundation.
- Berg, K., Langford, R., Gruenewald, J., Yap, M., Sosso, P., Inouye, B., Nguyen, T., Speitel, T., & Fordham, C. (2003). Issues in school safety [DVD videorecording]. Honolulu, HI: University of Hawai'i, Curriculum Research & Development Group, School Safety Project.
- Nguyen, T. T. & T. Speitel, T. W. (2003). Pihana Nā Mamo Data Collection Website, Curriculum Research & Development Group, University of Hawai'i.
- Nguyen, T.T. (2003) Hawai'i Educational Policy Center Website. University of Hawai'i. Available at <http://www.hawaii.edu/hepc/>. Last accessed May 3, 2006.
- Nguyen, T.T. & Gray, M. (2000) Northwest Hawaiian Islands Expedition Log: From the Eyes of an Educator. Curriculum Research & Development Group, University of Hawai'i. CD-ROM.
- Nguyen, T.T. (2001). Parts of United States Dollar Bill Flash Animation. Curriculum Research & Development Group, University of Hawai'i.
- Nguyen, T.T., Sosso, P., Crosby, M., & Speitel, T. (2001). ANOVA, Chi Square, t-Test, and Mann-Whitney U Animations. Curriculum Research & Development Group, University of Hawai'i.

Speitel, T. W. & Nguyen, T. T. (2001). School Web of Instructional Media Website, Curriculum Research & Development Group, University of Hawai'i. Available at <http://www.hawaii.edu/swim/>. Last accessed April 6, 2004.

### **Presentations**

Nguyen, T.T. (2006, Proposal accepted). But I'm already computer literate: Perspectives of 9<sup>th</sup> grade students. Interactive session for Pacific Circle Consortium 2006, Mexico City, Mexico.

Nguyen, T.T. and Speitel, T.W. (2006, Proposal accepted). Development of FASTeR: a multimedia DVD-ROM for science education. Interactive session for Pacific Circle Consortium 2006, Mexico City, Mexico.

Nguyen, T.T. and Speitel, T.W. (2005, July). The School Web of Instructional Media, Future Directions. Presented at the annual meeting of the National Marine Educators Association, Kahului, Maui.

Speitel, T.W. and Nguyen, T.T. (2005, July) Marine Biology Computer Simulations & Visualizations. Presented at the annual meeting of the National Marine Educators Association, Kahului, Maui.

Gray, M. E., Nguyen, T. T., & Speitel, T. W. (2005, April). Developing and implementing an alternative version of FAST professional development. Paper presented at the annual meeting of the American Educational Research Association, Montreal.

Nguyen, ThanhTruc T. (2003, May). School Assisted Interactive Learning. Presented at Department of Defense Showcase Event, Alexandria, Virginia.

Nguyen, ThanhTruc T. (2002, October). Overcoming obstacles for women in science and technology careers. Presented at Integrated Mentoring for Unlimited Achievement, Honolulu, Hawai'i.

Iding, M., Nguyen, T., Eichelberger, A., & Klemm, E. B. (2002, July). Facilitating critical evaluation of information on the World Wide Web. Creative exchange session presented at SEC III – IFIP Education Open Conference on Social, Ethical and Cognitive Issues of Informatics and ICT, Dortmund, Germany.

Speitel, T., Nguyen, T.T., Shimabuku, T. (2000, February). Science Web of Instructional Media. Presented at Society for Technology in Teacher Education Conference, San Deigo, California.

### **Awards and Recognition**

- Excellence in Arts Education, Volunteer Award, State of Hawai'i Department of Education, 2005
- John P. Craven Visionary Award, University of Hawai'i Marine Option Program, 1996
- Unity House Scholar, 1994-95
- Bachman Scholar, University of Hawai'i at Mānoa, 1992-94

### **Professional Affiliations**

- Member, International Society for Technology in Education
- Member, Association for Educational Computing and Technology
- Member, Association for Supervision and Curriculum Development
- Member, United States Distance Learning Association
- Member, National Science Teachers Association
- Member, National Marine Educators Association
- Student Member, Phi Delta Kappa

## Skills

- High level of proficiency on most word processing, spreadsheet, and presentation applications, especially Microsoft Office® products
- High level of proficiency in Web-related applications, most recently Macromedia Dreamweaver® and Claris Homepage®
- Advanced knowledge of Web-accessible database applications, especially FileMaker Pro®
- Novice skills in multimedia development applications such as Final Cut Pro® and Macromedia Flash and Fireworks®
- Novice skills in digital arts and photography
- Familiar with course tools such as WebCT®, Blackboard®, and Lotus Notes®

## Volunteer Experience

- Support Staff, Community Enrichment Program, Waikiki Aquarium
- Head Staff Advisor and Coach, Roosevelt High School Marching Band and Color Guard
- Interpreter, Friends of Hanauma Bay Education Program

## References

**Shirley Yamashita**, Ph.D.  
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