Clement **Chau** PhD

100 Grand Ave. #2207• Oakland, California • 94612 | (617) 301-0581 | chau.clement@gmail.com

Dedicated and creative learning researcher with multifaceted expertise in product design, child development, and educational technology. Entrepreneurial with a focus on innovation. Proven record as director and manager of interdisciplinary teams that leverage analytics, evaluation, and user research to turn vision into award-winning children's learning games and toy products.

EDUCATION

Tufts University, Eliot-Pearson Department of Child Development, Medford, MA
PhD, APPLIED CHILD DEVELOPMENT   2014
Concentration: New Technologies and Human Development

Tufts University, Eliot-Pearson Department of Child Development, Medford, MA
MA, APPLIED CHILD DEVELOPMENT   2006
Concentration: New Technologies and Human Development

Washington University in St. Louis, St. Louis, MO
BA, MUSIC AND PSYCHOLOGY (Minor: Computer Science)   2004

PROFESSIONAL EXPERIENCE

LEAPFROG ENTERPRISES, INC., EMERYVILLE, CA   2010 - PRESENT
SENIOR LEARNING DESIGNER

Lead the design and creation of preschool toys and learning games. Plan product roadmaps around proprietary Scope & Sequence. Manage work streams between design, development, and marketing. Interface with external developers and inventors to drive product innovation.

Notable Achievements

- Provide leadership to 5-person curation editorial team to reviews 3rd-party digital content.
- Ship over 70 educational games, learning toys, eBooks & videos including award-winners.
- Conduct user and learning analytics using play data from LeapFrog's Learning Path.
- Formulate product requirements including game design and curriculum leveling specs.
- Establish partnership with external experts and researchers for LeapFrog Faculty Network.
- Collaborate with international teams in HK, SZ, UK, and FR throughout development cycle.

PONTE AND CHAU CONSULTING INC., BELMONT, MA   2006 - PRESENT
CO-FOUNDER, PRINCIPAL EVALUATOR, VICE PRESIDENT

Co-founded this educational and child development consultancy committed to brining research and evidence-based practices to early educational institutions and child development services.

Notable Achievements

- Manage a team of 11 domain experts including health specialists, educators, and designers.
- Facilitate research grant writing, methodology and analysis, and evaluation and reports.
- Consult on design and scripts for children's digital content including apps and webisodes.
- Produce print and digital educational materials focusing on STEM and preschool curriculum.
- Successfully design and execute independent kids user testing and efficacy evaluation.
- Clients include national agencies, universities, schools, non-profits, and start-ups.

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AWARDS AND RECOGNITIONS

- Research-Practice Integration Award, Tufts University   2014
- Toy and Game Inventor of the Year, Chicago Toy & Game Group   2013
- Eliot-Pearson Department of Child Development Alumni Award, Tufts University   2010
- Outstanding Contribution to Undergraduate Education Award, Tufts University   2006

RESEARCH EXPERIENCE

DEVELOPMENTAL TECHNOLOGIES RESEARCH GROUP, TUFTS UNIVERSITY

RESEARCH ANALYST & MANAGER   2004 - 2010

Primary Investigator: Marina Bers, PhD

Devised evaluation materials; carried out statistical analyses; authored articles for publication; wrote NSF-grantee annual reports; designed a preK-2 robotics and coding STEM curriculum.

NEW MEDIA LITERACIES, COMPARATIVE MEDIA STUDIES, MIT

RESEARCHER, CURRICULUM DESIGNER   2006 - 2010

Primary Investigator: Henry Jenkins, PhD

Prepared IRB protocol and research materials; trained graduate research assistants; designed and conducted a qualitative study on youth civic engagement online; authored grantee reports.

CHILDREN'S HOSPITAL BOSTON

RESEARCH STUDENT   2005 - 2007

Primary Investigator: Marina Bers, PhD

Designed a virtual world using ActiveWorlds platform to promote medical adherence education; translated hospital educational materials into online interactive modules for teens 11-18 years.

TEACHING EXPERIENCE

TUFTS UNIVERSITY, MEDFORD, MA

LECTURER – Graduate Level Course   FALL 2010

Course: Curriculum for Young Children: Mathematics, Science & Technology

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MA

INSTRUCTOR – High School Summer Program   2008 - 2009

Course: Media Literacy & Multimedia Production

TUFTS UNIVERSITY, MEDFORD, MA

SECTION INSTRUCTOR – Several Courses   2004 – 2006

- Personal & Social Development (Graduate)
- Adolescent Development (Graduate)
- Introduction to Child Development (Undergraduate)

PUBLICATIONS

Ponte, I., Rothbaum, F., & Chau, C. (Under Review). Preschool teachers' beliefs about behavior management in Beijing, Tokyo, and Boston. *Developmental Psychology.*

Chau, C. (2014). Positive Technological development for Young Children in the Context of Children's Mobile Apps. *Dissertation Abstract International, 75*, 10(E). ISBN: 9781303986192.

Kuh, L., Ponte, I., Chau, C., & Valentine, D. (2014). Taking it outside: Rethinking and reclaiming outdoor play. In *Thinking Critically About Environments for Young Children: Bridging Theory and Practice,* (Ed. L. Kuh). Pp. 69-88. New York: Teacher College Press.

Bers, M., Lynch, A.D., & Chau, C. (2014). Positive Technological Development: The Multifaceted Nature of Youth Technology Use towards Improving Self and Society. In *Constructing the Self in a Digital World,* (Eds. Ching, C. C. & Foley, B. J.). Pp. 110-136. Cambridge University Press.

Kuh, L., Ponte, I., & Chau, C. (2013). The impact of a natural playscape installation on young children's play behaviors. *Children, Youth and Environments, 23*(2), pp. 49-77.

Chau, C. (2011). *YouTube* as a participatory culture. In *Youth as Media Creators*, a special edition of *New Directions for Youth Development*. (Ed. Marina Bers). Jossey-Bass.

Bers, M., Beals, L., Chau, C., Satoh, K., & Khan, N. (2010). Virtual worlds for young people in a program context: Lessons from four case studies. In Khine, M. S. and Saleh, I. M. (Eds.), *New Science of Learning: Cognition, Computers, and Collaboration in Education.*

Bers, M., Beals, L., Chau, C., Satoh, K., Blume, B., DeMaso, D., & Gonzalez-Heydrich, J. (2010). Use of a virtual community as a psychosocial support system in pediatric transplantation. *Pediatric Transplantation, 14*(2), 261-267.

Bers, M. & Chau, C. (2010). The virtual campus of the future: Stimulating and simulating civic action in a virtual world. *Journal for Computing in Higher Education, 22*(1), 1-23.

Chau, C. (2009). A review of *A New Literacies Sampler* by Knobel and Lankshear. *E-Learning and Digital Media, 6*(4), 422-423.

Bers, M., Chau, C., Satoh, K., & Beals, L. (2007). Virtual Communities of Care: Online peer networks with post-organ transplant youth. In *Proceedings of the Computer-Supported Collaborative Learning Conference*.

Bers, M. & Chau, C. (2007). Technology and Early Childhood Education. In Rebecca S. New and Moncrieff Cochran (Eds.), *Early Childhood Education: An International Encyclopedia*. Vol. 3, pp. 798-801. Westport, Connecticut: Praeger.

Chau, C. (2006). Associations between online civic engagement and personal technological characteristics among college students. *Masters Thesis Abstract International,* AAT 1436328.

Chau, C., & Bers, M. (2006). Positive Technological Development: A systems approach to understanding youth development when using educational technologies. In *Proceedings of the International Conference of the Learning Sciences.* (Eds. S. Barab, K. Hay, & D. Hickey). LEA Publishing, 902-903.

Chau, C., Mathur, A., & Bers, M. (2006). Active Citizenship through Technology: Collaboration, connection, and civic participation. In *Proceedings of the International Conference of the Learning Sciences.* (Eds. S. Barab, K. Hay, & D. Hickey). LEA Publishing, 904-905.

Bers, M. & Chau, C. (2006). Fostering civic engagement by building a virtual city. *Journal of Computer-Mediated Communication, 11*(3), 748-770.

PRESENTATIONS

Invited Talks/Panels/Conferences:

Oct 2011. Panelist. *Fred Forward* Roundtable: Collaboration around a framework for quality in digital children's media. Hosted by the Fred Rogers Center.

Jan 2011. Participant. *Fred Forward* Roundtable: Collaboration around a framework for quality in digital children's media. Hosted by the Fred Rogers Center.

Nov 2010. Participant. The Dust or Magic Institute. Hosted by Children's Technology Review.

First Authored Presentations (Peer reviewed):

Chau, C., Ponte, I., & Kuh, L. (April 15, 2012). The Outdoor Play Inventory: A time-sampling observation protocol for assessing children's play in outdoor playgrounds. Paper presented at *American Educational Research Association Conference*, Vancouver, BC.

Chau, C. (February 19, 2010). When worlds collide: Real politics in the *World of Warcraft* universe. In the Pecha Kucha series *From Fan Activism to Political Activism: Participatory Democracy around Popular Media Affinity Groups* (Chair Sangita Shresthova). Paper presented at *Digital Media and Learning Conference 2010*, San Diego, CA.

Chau, C. (May 2, 2009). From participatory culture to learning ecologies. Keynote presentation at the *2009 Learning in a Participatory Culture Conference*, Cambridge, MA.

Chau, C. (March 21, 2007). Developmental Technologies: Positive uses of technology for youth learning and development. Chair and Organizer. Symposium presented at the *2007 Society of Research in Child Development Conference*, Boston, MA.

Chau, C. (March 21, 2007). Online civic engagement among late adolescents. In the symposium Developmental Technologies: Positive uses of technology for youth learning and

development. Paper presented at the *2007 Society of Research in Child Development Conference*, Boston, MA.

Chau, C., & Bers, M. (April 9, 2007). Using a 3D virtual environment to foster college-community connections. Poster presented at the *2007 American Educational Researcher Association Annual Conference*, Chicago, IL.

Chau, C., Fan, S., New, R., Kirst, S., & Ponte, I. (June 26, 2006). The interface of Chinese and American culture in an urban Head Start center. Poster presented at *Head Start's 8th National Research Conference*, Washington D.C.

Chau, C., & Bers, M. (April 10, 2006). Exploring the relationship between educational technology and youth development: A case study of LEGO summer camp. Poster presented at the *American Educational Research Association 2006 Conference*, San Francisco, CA.

Chau, C., & Bers, M. (August 21, 2005). Positive technological development: A research methodology for exploring relationships between youth development and educational technologies. Symposium paper presentation at the *2005 Annual American Psychological Association Convention*, Washington D. C.

Chau, C. (April 1, 2005). Making friends on virtual communities: An adolescent experience. Paper presented at *Student Presentation Day at Eliot-Pearson Department of Child Development*, Tufts University, Medford, MA.

Co-Authored Presentations (Peer reviewed):

Kuh, L., Ponte, I., & Chau, C. (April 15, 2012). The impact of natural playscape design: Environmental affordances and shifts in young children's play behaviors. Paper presented at *American Educational Research Association Conference*, Vancouver, BC.

Ponte, I., Kuh, L., & Chau, C. (April 30, 2010). Play behaviors before and after a natural playground installation in an early-childhood setting. In the symposium *Rethinking Play Inside and Outside the Early Childhood Classroom* (Chair Janette Habashi). Paper presented at the *2010 AERA Annual Meeting*. Denver, CO.

Phelps, E., Perrin, E., Pinderhughes, E., Zimmerman, S., Chau, C., Lai, A., Henson, B. (April 4, 2008). Families headed by gay adoptive fathers: Family processes and outcomes. In the symposium *Gay Fathers and Their Children* (Chair Ellen Pinderhuges, Erin Phelps). Paper presented at the *2009 Biennial Meeting of the Society fore Research in Child Development*. Denver, CO.

Mesalles, D., Chau, C., & Bers, M. (March 21, 2007). Fostering civic engagement with 3D virtual community environment. In the symposium Developmental Technologies: Positive uses of technology for youth learning and development. Paper presented at *the 2007 Society of Research in Child Development Conference*, Boston.

Ponte, I., Kirst, S., New, R., Fan, S., & Chau, C. (June 26, 2006). Home-school relationship in Head Start: Cultural values of parents and teachers. Poster presented at *Head Start's 8th National Research Conference*, Washington D.C.

Kirst, S., Ponte, I., New, R., Chau, C., & Fan, S. (April 8, 2006). Teacher beliefs regarding the roles of Chinese-immigrant parents in school readiness. Paper presented at the *13th International Roundtable on School, Family, and Community Partnership*, San Francisco, CA.

Fan, S., Chau, C., New, R., Ponte, I., & Kirst, S. (April 7, 2006). Shifting identities: Chinese immigrant values as they support and hinder family, school, and community relations. Paper presented at the *13th International Roundtable on School, Family, and Community Partnership*, San Francisco, CA.

Ponte, I., Chau, C., New, R., Fan, S., & Kirst, S. (March 31, 2006). Parents and teachers beliefs about parental roles in Head Start: Lessons from Chinatown. Poster presented at *Student Presentation Day at Eliot-Pearson Department of Child Development*, Tufts University, Medford, MA.

New, R., Ponte, I., Fan, S., Chau, C., & Kirst, S. (March 31, 2006). Teachers' beliefs regarding parental roles and school readiness in Head Start: Perspectives from Chinese immigrants. Paper presented at *Tufts Community Research Symposium*, Medford, MA.

Li, Y., Ma, L., Lerner, R., & Chau, C. (March 24, 2006). School engagement among adolescent from different ethnic groups: Findings from the 4-H study of positive youth development. Poster presented at the *Society Research on Adolescence 11th Biennial Meeting*, San Francisco, CA.