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CURRENT APPOINTMENT

UNIVERSITY OF WASHINGTON - SEATTLE
Information School
Assistant Professor of Digital Youth, 2015 – present

JOAN GANZ COONEY CENTER
Sesame Workshop – New York City, NY
Senior Research Fellow, 2014 - present

EDUCATION

UNIVERSITY OF MARYLAND – COLLEGE PARK
College of Education
Ph.D. in Curriculum & Instruction (2008 - 2014)
Member of the Human-Computer Interaction Lab
Dissertation: The Evolution of Science Ownership in Learners Engaged in Design and Technology Usage
Committee members: Allison Druin (adviser, chair), Mike Stieff (co-adviser), June Ahn, Tamara Clegg, and Andrew Elby

UNIVERSITY OF PENNSYLVANIA
Graduate School of Education
M.S. Science and Mathematics Education (2001 – 2002)
Advisers: Kenneth Tobin and Jeanne Vissa
Dual certified in math and science education

College of Arts and Sciences
B.A. Chemistry, Math (minor), and Asian Studies (minor) - Cum Laude (1997 – 2001)

PAST POSITIONS

JOAN GANZ COONEY CENTER
Sesame Workshop – New York City, NY
Postdoctoral Research Fellow, 2013 – 2014

UNIVERSITY OF MARYLAND – COLLEGE PARK
College of Education
Graduate Research Assistant, 2008 - 2013

RESEARCH INTERESTS

Design-based research, curriculum development, families and media, human-computer interaction (child-computer interaction), games and learning, informal education, learning sciences, participatory design (cooperative inquiry), science education, self-identity and ownership, visualization technology

AWARDS & HONORS

- 2016** GOOGLE FACULTY RESEARCH AWARD
- 2014** INTERNATIONAL CONFERENCE OF THE LEARNING SCIENCES BEST STUDENT PAPER AWARD NOMINEE (TOP 4%)
INTERNATIONAL CONFERENCE OF THE LEARNING SCIENCES BEST PAPER AWARD NOMINEE (TOP 4%)
- 2013** SESAME WORKSHOP: THE JOAN GANZ COONEY CENTER RESEARCH FELLOWS AWARD
YAHOO! HUMAN-COMPUTER INTERACTION LAB STUDENT RESEARCHER AWARD (HONORABLE MENTION)
SECOND PLACE, BEST ORAL PRESENTATION (EDUCATION) – UNIVERSITY OF MARYLAND: GRADUATE INTERACTION RESEARCH DAY
FINALIST FOR THE ICONFERENCE – BEST SOCIAL MEDIA EXPO AWARD
- 2012** DOCTORAL CONSORTIUM OF THE INTERNATIONAL CONFERENCE OF THE LEARNING SCIENCES, SYDNEY, AUSTRALIA.
- 2011** GORDON RESEARCH CONFERENCE – VISUALIZATION IN SCIENCE & EDUCATION: VISIONARY GRANT – NATIONAL SCIENCE FOUNDATION (NSF)
- 2001** UNIVERSITY OF PENNSYLVANIA - JOHN MERCK INSTITUTE SCHOLAR
- 1997** HOWARD HUGHES MEDICAL INSTITUTE SCHOLAR

PUBLICATIONS & PRESENTATIONS

(Student authors that I mentored are underlined)

IN PREPARATION AND UNDER REVISION

1. Banerjee, R., Yip, J., Lee, K.J., & Popović, Z. BlockStudio: Empowering children to rapidly author games and animations without writing code. *Submitted in 2016.*
2. Arnold, L., Lee, K.J., & Yip, J.C. Co-designing with children: An approach to social robot design. *Submitted in 2016.*
3. **Yip, J.** & Gonzalez, C. Online search and brokering among Latino youth. *In preparation, not submitted.*
4. **Yip, J.**, Gonzalez, C., & Katz, V. The learning experiences of youth online information brokers. *Submitted in 2015.*
5. **Yip, J.**, Lee, J., & Fullerton, S. The tyranny of genre: Why classification of educational games fail. *In preparation, not submitted.*
6. **Yip, J** & Elby, A. Freddie science: Can we tease apart science and engineering from learners? *In preparation, not submitted.*
7. **Yip, J.**, Clegg, T., & Ahn, J. Ownership of science learning across domains. *Submitted, revise and resubmit in 2015.*
8. Fisher, K., Davis, K., **Yip, J.**, Dahya, N., Mills, J.E., & Eisenberg, M.B. Digital Youth Seattle Think Tank white paper. *In preparation.*

9. DiSalvo, C., DiSalvo, B., **Yip, J.C.**, & Bonsignore, E. Participatory design and the learning sciences. Routledge. *In preparation, book contract offered in 2015.*
10. **Yip, J.C.**, Arnold, L., Chen, S., Gallo, A., Lee, K.J., Pitt, C., & Sobel, K. How to start a participatory design group. *In preparation, invited paper to Interactions March 2016.*
11. **Yip, J.C.**, & Lee, J. Sesame Street. In K. Peppler, N. Deutsch, V. Michalchik, K. Sheridan, R. Tai, & K. Wohlwend (eds.). *The SAGE encyclopedia of out-of-school learning. Submitted in 2015.*
12. **Yip, J.C.** Participatory design, learning sciences, and instructional design. In A. Carr-Chelman & G. Rowland. *Dialogues book project. Submitted in 2015.*

BOOK CHAPTERS AND WHITE PAPERS

1. **Yip, J.**, Levine, M., Lauricella, A., & Wartella, E. (2015). *Early learning and healthy development in a digital age.* In A. Farrell, S.L. Kagan, & K. Tisdal (Eds.) SAGE handbook for early childhood development (pp 398 - 418).

PEER-REVIEWED JOURNALS (PUBLISHED)

1. Ahn, J., Clegg, T.L., **Yip, J.C.**, Bonsignore, E., Pauw, D., & Gubbels, M. (2015). Seeing the unseen learner: Designing and using social media to recognize children's science dispositions in action. *Learning, Media, and Technology.*
[h5-index – 20, Impact factor – 1.00]
2. Stieff, M., Ryu, M. & **Yip, J.** (2013). Speaking across levels - teacher and student discourse practices in the chemistry classroom. *Chemistry Education Research and Practice.*
[h5-index – 15, Impact factor – 0.885]
3. Foss, E., Guha, M.L., Papadatos, P., Clegg, T., **Yip, J.C.**, & Walsh, G. (2013). Cooperative Inquiry design techniques in a classroom of children with special learning needs. *Journal of Special Education Technology.*
[Acceptance rate: 11 – 20%]
4. Foss, E., Hutchinson, H., Druin, A., **Yip, J.**, Ford, W., & Golub, E. (2013). Adolescent search roles. *Journal of the American Society for Information Science and Technology*, 64(1), 173-189.
[h5-index – 54, Impact factor - 2.081]
5. Sechler, J. M. G., **Yip, J.** and Rosenberg, A. S. (1997) Genetic variation among 129 substrains: Practical consequences. *J. Immunol.* 159. 5766–5768.
[h5-index – 107, Impact factor – 6.937]

PUBLISHED CONFERENCE PROCEEDINGS (REFEREED)¹

1. **Yip, J.C.**, Clegg, T., Ahn, J., Uchidiuno, J., Bonsignore, E., Beck, A., Pauw, D., & Mills, K. (2016). The evolution of roles and social bonds during child-parent co-design. *In Proceedings of SIGCHI Human Factors.* New York, NY: ACM.
[h5-index – 84, Acceptance rate – 23.8%]
2. Pauw, D., Clegg, T., Ahn, J., Bonsignore, E., **Yip, J.C.**, & Uchidiuno, J. (2015). Navigating connected inquiry learning with ScienceKit. *In Proceedings of Computer-Supported Collaborative Learning (CSCL2015).*
[h5-index – 15, Acceptance rate – 36%]
3. Gelderblom, H., **Yip, J.**, Bonsignore, E., & Chimbo, B. (2014). Self-recorded audio feedback as a means to allow young, vulnerable children to participate in design. In J. Steyn & D. Van Greunen (Eds.),

¹ *Premiere conferences in computer science (e.g., CHI, IDC) are highly selective and intended for archival papers only. These conferences often exceed journals in their selectivity, visibility, and impact. Please see <http://portal.acm.org/citation.cfm?id=1743546.1743569> for details. Wherever available, the acceptance rate and h5-index is provided following each citation.*

- Proceedings of the 8th International Development Informatics Association Conference*. (pp. 206-222). Roodepoort, South Africa.
4. **Yip, J.C.**, Ahn, J., Clegg, T.L., Bonsignore, E., Pauw, D. & Gubbels, M. (2014). “It helped me do my science.” A case of designing social media technologies for children in science learning. In *Proceedings of the 13th International Conference on Interaction Design and Children (IDC 2014)*. [h5-index – 19, Acceptance rate – 31%]
 5. **Yip, J.C.**, Clegg, T.L., Ahn, J., Bonsignore, E., Gubbels, M., Rhodes, E., & Lewittes, B. (2014). The role of identity development within tensions in ownership of science learning. *Proceedings of the Eleventh International Conference of the Learning Sciences (ICLS 2014)*. [h5-index – 16, Acceptance rate – 30%]
NOMINEE for Best Student Paper Award (Top 4%)
 6. Ahn, J., Subramaniam, M., Bonsignore, E., Pellicone, A., Waugh, A., & **Yip, J.C.** (2014). “I want to be a game designer or scientist”: Connected learning and developing identities with urban, African-American youth. *Proceedings of the Eleventh International Conference of the Learning Sciences (ICLS 2014)*. [h5-index – 16, Acceptance rate – 30%]
NOMINEE for Best Paper Award (Top 4%)
 7. Clegg, T.L., Bonsignore, E., Ahn, J., **Yip, J.C.**, Pauw, D., & Gubbels, M. (2014). Capturing personal and social science: Technology for integrating the building blocks of disposition. *Proceedings of the Eleventh International Conference of the Learning Sciences (ICLS 2014)*. [h5-index – 16, Acceptance rate – 30%]
 8. **Yip, J.C.**, Clegg, T., Bonsignore, E., Gelderblom, H., Rhodes, E., & Druin, A. (2013). Brownies or Bags of Stuff: Domain expertise in Cooperative Inquiry with children. In *Proceedings of the 12th International Conference on Interaction Design and Children (IDC 2013)* (pp. 201-210). New York, NY: ACM. [h5-index – 19, Acceptance rate – 33%]
 9. Clegg, T., **Yip, J.C.**, Ahn, J., Bonsignore, E., Gubbels, M., Lewittes, B. & Rhodes, E. (2013). When face-to-face fails: Opportunities for social media to foster collaborative learning. In N. Rummel, M. Kapur, M. Nathan, & S. Puntambekar (Eds.), *Proceedings of the Tenth Computer Supported Collaboration Learning Conference (CSCL 2013)* (Vol. 1, pp. 113 – 120). Madison, WI. [h5-index – 15]
 10. Bonsignore, E., Ahn, J., Clegg, T.L., Guha, M.L., Hourcade, J.P., **Yip, J.C.** & Druin, A. (2013). Embedding participatory design into designs for learning: An untapped interdisciplinary resource? In N. Rummel, M. Kapur, M. Nathan, & S. Puntambekar (Eds.), *Proceedings of the 10th International Conference on Computer-Supported Collaborative Learning* (Vol. 1, pp. 549-556). Madison, WI. [h5-index – 15]
 11. Walsh, G., Foss, E., **Yip, J.** & Druin, A. (2013). FACIT PD: Framework for analysis and creation of intergenerational techniques for participatory design. *Proceedings of the 31st International Conference on Human Factors in Computing Systems (CHI 2013)* (pp. 2893-2902). New York, NY: ACM. [h5-index – 78, Acceptance rate – 20%]
 12. **Yip, J.C.**, Clegg, T.L., Bonsignore, E., Gelderblom, H., Lewittes, B., Guha, M.L., & Druin, A. (2012). Kitchen Chemistry: Supporting learners’ decisions in science. In J. van Aalst, K. Thompson, M.J. Jacobson, and P. Reimann, (Eds.), *Proceedings of the Tenth International Conference of the Learning Sciences (ICLS 2012)* (Vol. 1, pp. 103 – 110). Mahwah, NJ: Erlbaum. [h5-index – 16, Acceptance rate – 25%]
 13. Clegg, T.L., Bonsignore, E., **Yip, J.C.**, Gelderblom, H., Kuhn, A., Valenstein, T. & Druin, A. (2012). Technology for promoting scientific practice and personal meaning in life-relevant learning. *Proceedings of the 11th International Conference on Interaction Design and Children (IDC 2012)* (pp. 152-161). New York, NY: ACM. [h5-index – 19, Acceptance rate – 29%]
 14. Walsh, G., Druin, A., Guha, M.L., Bonsignore, E., Foss, E., **Yip, J.**, Golub, E., Clegg, T., Brown, Q., & Brewer, R. (2012). DisCo: A co-design online tool for asynchronous distributed child and adult design partners. *Proceedings of the 11th International Conference on Interaction Design and Children (IDC 2012)*

(pp. 11-19). New York, NY: ACM.
[h5-index – 19, Acceptance rate – 29%]

PUBLISHED SHORT PAPERS AND EXTENDED ABSTRACTS (REFEREED)

1. Hourcade, J.P., Nathan, L., Zaphiris, P., Chisik, Y., Rivera-Loaiza, C., & **Yip, J.C.** (2016). Conflict and HCI: Preventing, deescalating, and recovering. In *Proceedings of ACM SIGCHI Human Factors*.
2. Davis, K., Fisher, K., Dahya, N., **Yip, J.C.**, Eisenberg, M., & Mills, E. (2015). Youth perspectives on equity, access and information exchange in educational technology: Implications for research, practice, and policy. *Digital Media & Learning Conference*. Los Angeles, CA.
3. Baumer, E., ... **Yip, J.C.** (2014). CHI 2039: Speculative research visions. *CHI 2014 Extended Abstracts on Human Factors in Computing Systems*.
4. Bonsignore, E., Ahn, J., Clegg, T.L., **Yip, J.C.**, Pauw, D., Gubbels, M., Lewettis, B., & Rhodes, E. (2014). Selfies for science: Collaborative configurations around ScienceKit. *Proceedings of the Computer Supported Collaborative Work (CSCW2014)*.
5. **Yip, J.C.**, Foss, E., Bonsignore, E., Guha, M.L., Norooz, L., Rhodes, E., McNally, B., Papadatos, P., Golub, E., & Druin, A. (2013). Children initiating and leading Cooperative Inquiry sessions. *Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13)* (pp. 293-296). New York, NY: ACM.
6. Ahn, J., Gubbels, M., **Yip, J.C.**, Bonsignore, E., & Clegg, T.L. (2013). Using social media and learning analytics to understand how children engage in scientific inquiry. *Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13)* (pp. 427-430). New York, NY: ACM.
7. Ahn, J., **Yip, J.**, & Gubbels, M. (2013). SINQ: Designing social media to foster everyday scientific inquiry for children. In *Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13)* (pp. 503 – 506). New York, NY: ACM
8. Chu, S., **Yip, J.C.**, Haas, J., & Roman, C. (2013). Qualitative methods for studying learning through gameplay at museums and science centers. *Proceedings of Games Learning Society 9.0 (GLS 9.0)*. Madison, WI.
9. Ryan, S., **Yip, J.C.**, Stieff, M. & Druin, A. (2013). Cooperative inquiry as communities of practice. In N. Rummel, M. Kapur, M. Nathan, & S. Puntambekar (Eds.), *Proceedings of the 10th International Conference on Computer-Supported Collaborative Learning (CSCL 2013)* (Vol. 2, pp. 145-148). Madison, WI.
10. Gubbels, M., **Yip, J.C.**, Kim, J., & Ahn, J. (2013) Science INquiry. In *Proceedings of the iConference 2013* (pp. 1102-1105). Ft. Worth, TX.
NOMINEE for Best Social Media Expo Award
11. **Yip, J.C.**, Clegg, T.L., Druin, A., Guha, M.L., Golub, E., Bonsignore, E., Foss, E., & Walsh, G. (2012). Kitchen Chemistry: Supporting learners' decisions in science. In *Proceedings of the Teachers College Educational Technology Conference 2012 (TCETC)* (pp. 82 – 84). New York City, NY: Teachers College.

WORKSHOP PAPERS AND DEMONSTRATIONS (REFEREED, UNBLIND)

1. **Yip, J.** et al. (2016, April). Connecting learners to place, space, and personal experience with technology and new media. Structured poster symposium at *American Educational Research Association Conference*. Washington, D.C.
2. Ahn, J., Clegg, T., **Yip, J.C.**, Rick, J., & Bonsignore, E. (2015, June). Innovations in Learning and Design. Workshop paper in *Interaction Design and Children*. Boston, MA.
3. **Yip, J.C.** (2015). Participatory STEM learning in children and families. Early career workshop paper in *Computer Supported Collaborative Learning (CSCL 2015)* (pp. 905 – 906). Gothenburg, Sweden.

4. Ahn, J., **Yip, J.C.** & Gubbels, M. SINQ: Designing social media to foster everyday scientific inquiry for children. (2013). Demonstration paper in *Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13)* (pp. 503 – 506). New York, NY: ACM.
5. **Yip, J.C.**, Bonsignore, E., Ahn, J., Clegg, T.L., & Guha, M.L. (2013) Building ScienceKit through Cooperative Inquiry. In *Human-Computer Interaction and the Learning Sciences Workshop at the Tenth Computer Supported Collaboration Learning Conference (CSCL 2013)*. Madison, WI, USA.
6. Bonsignore, E., **Yip, J.C.**, Ahn, J., Clegg, T.L., & Guha, M.L. (2013). Designing for learners, with learners: Toward a theory of Cooperative Inquiry in the design of learning technologies. In *Human-Computer Interaction and the Learning Sciences Workshop at the Tenth Computer Supported Collaboration Learning Conference (CSCL 2013)*. Madison, WI, USA.
7. **Yip, J.C.**, Foss, E., & Guha, M.L. (2012, October). Co-designing with adolescents. In *Proceedings of the Designing Interactive Technology for Teens Workshop at NordiCHI*. Copenhagen, Denmark.

INVITED PAPERS (UNBLIND)

1. Clegg, T., Ahn, J., **Yip, J.**, Bonsignore, E., & Pauw, D. Scientizing with ScienceKit: Social media and storytelling mobile apps for developing playful scientist disposition. *Educational Technology*.

PUBLISHED CURRICULA AND MATERIALS

1. Joan Ganz Cooney Center (2015). *The Apple Guide to Apps for Children and Families*. Cupertino, CA.
2. Stieff, M., Nighelli, T., **Yip, J.**, Ryan, S., & Berry, A. (2012). *The Connected Chemistry Curriculum (Vol. 1-9)*. Chicago, IL: University of Illinois at Chicago.

CONFERENCE PRESENTATIONS, POSTERS, & INVITED TALKS

2016

1. **Yip, J.C.**, Clegg, T., Ahn, J., Uchidiuno, J., Bonsignore, E., Beck, A., Pauw, D., & Mills, K. (2016, May). The evolution of roles and social bonds during child-parent co-design. Presentation at *SIGCHI Human Factors Conference*. San Jose, CA.
2. **Yip, J.** (2016, April). Freddie science: Can we tease apart science and engineering identities? Roundtable paper discussion at the *American Educational Research Association Conference*. Washington, D.C.

2015

1. **Yip, J.C.** (2015, October). *National Science Foundation workshop: Designing media for underserved families (second session)*. Invited workshop at Stanford University – d.school. Menlo Park, CA.
2. **Yip, J.** (2015, October). *Families and Media*. Invited meeting at Stanford University. Menlo Park, CA.
3. **Yip, J.** (2015, October). *Online information brokering in children of limited English proficient families*. Invited talk at Google. Mountain View, CA.
4. **Yip, J.** (2015, October). *Education technologies and inequities*. Invited talk at University of Washington – Communications. Seattle, WA.
5. Janes, J., Lee, J., Williams, H., & **Yip, J.C.** (2015, September). *Masters of Library and Information Studies orientation*. Panelist at University of Washington – iSchool. Seattle, WA.
6. Ahn, J., Clegg, T., **Yip, J.C.**, Rick, J., & Bonsignore, E. (2015, June). Innovations in Learning and Design. Invited workshop leader at *Interaction Design and Children*. Boston, MA.
7. Fisher, K., Davis, K., Dahya, N., **Yip, J.C.** & Mills, E. (2015, June). Digital youth: The state of affairs. Invited panelist presentation at the *Digital Media and Learning*. Los Angeles, CA.
8. **Yip, J.C.** (2015, June). Early Career Workshop. Invited participant at *Computer Supported Collaborative Learning Conference*. Gothenburg, Sweden.

9. **Yip, J.C.** (2015, May). *Participatory Youth!* Invited presentation at Design Use Build (DUB) Talk. University of Washington. Seattle, WA.
10. Braun, L., Davis, K., Dahya, N., & **Yip, J.C.** (2015, April) Invited panelist at *iAffiliates Day*. Seattle Public Library. Seattle, WA.
11. **Yip, J.C.** (2015, January). *Talking with policy makers and politicians*. Invited National Science Foundation panel talk at CIRCL meeting. Arlington, VA.
12. Clegg, T., Ahn, J., & **Yip, J.C.** (2015, January). *Science Everywhere*. Invited meeting with Senator Barbara Mikulski's (Maryland) office staff. Washington, DC.
13. **Yip, J.C.** (2015, January). *National Science Foundation workshop: Designing media for underserved families*. Invited workshop at Stanford University – d.school. Menlo Park, CA.

2014

1. Fisher, K., Eisenberg, M., Davis, K., Dahya, N., Mills, E., & **Yip, J.C.** (2014, November). Digital youth: The state of affairs. Invited panelist presentation at the *Annual Meeting of the Association for Information Science & Technology (ASIS&T)*. Seattle, WA.
2. **Yip, J.C.**, Clegg, T.L., Ahn, J., Bonsignore, E., Gubbels, M., Rhodes, E., & Lewittes, B. (2014, June). The role of identity development within tensions in ownership of science learning. Full paper presented at the *Proceedings of the Eleventh International Conference of the Learning Sciences (ICLS 2014)*. Boulder, CO.
3. **Yip, J.C.** (2014, June). Interactive technologies for early childhood: Harmful or helpful. Tutorial at the 13th *International Conference on Interaction Design and Children (IDC 2014)*. Aarhus, Denmark.
4. **Yip, J.C.** (2014, May). *From the HCIL to Sesame Street*. Presentation at the 31th Annual Human-Computer Interaction Symposium. College Park, MD.
5. **Yip, J.C.** (April, 2014). *How to prepare your job application*. Invited speaker at University of Maryland. College Park, MD.
6. **Yip, J.C.** (March, 2014). *Co-design and joint media engagement*. Invited guest online lecturer at Ryerson University. Toronto, ON, Canada.
7. **Yip, J.C.** (February, 2014). *Building bridges*. Invited speaker at the College of Education at the Pennsylvania State University. State College, PA.
8. **Yip, J.C.** (February, 2014). *Building bridges*. Invited speaker at the College of Education and Human Ecology at the Ohio State University. Columbus, OH.
9. **Yip, J.C.** (February, 2014). *Participatory youth!*. Invited speaker at the New York Hall of Science. St. Corona, NY.
10. **Yip, J.C.** (February, 2014). *Children's information search behaviors*. Invited guest lecturer at the Information School at the University of Washington – Seattle. Seattle, WA.
11. **Yip, J.C.** (February, 2014). *Participatory youth!*. Invited speaker at the Information School at the University of Washington – Seattle. Seattle, WA.

2013

1. **Yip, J.C.** (December, 2013). *Building bridges*. Invited speaker at the Department of Teacher Education and Curriculum Studies at the University of Massachusetts – Amherst. Amherst, MA.
2. **Yip, J.C.** (October, 2013). *Children's game design panel*. Invited panelist presented at Digital Designers Guild at University of Baltimore. Baltimore, MD.
3. **Yip, J.C.** (August, 2013). *Pros and cons of blogs for educators*. Invited lecture presented at the University of Maryland – College Park, EDCI 614: Developing a professional portfolio. College Park, MD.
4. **Yip, J.C.**, Clegg, T., Bonsignore, E., Gelderblom, H., Rhodes, E., & Druin, A. (2013, June). Brownies or Bags of Stuff: Domain expertise in Cooperative Inquiry with children. Full paper presented at the

Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13). New York City, NY.

5. Clegg, T., **Yip, J.C.**, Ahn, J., Bonsignore, E., Gubbels, M., Lewettis, B. & Rhodes, E. (2013, June). When face-to-face fails: Opportunities for social media to foster collaborative learning. Full paper presented at the *Proceedings of the Tenth Computer Supported Collaboration Learning Conference (CSCL 2013)*. Madison, WI.
6. Ryan, S., **Yip, J.C.**, Stieff, M. & Druin, A. (2013, June). Cooperative inquiry as communities of practice. Short paper presented at the *Proceedings of the Tenth Computer Supported Collaboration Learning Conference (CSCL 2013)*. Madison, WI.
7. Chu, S., **Yip, J.C.**, Haas, J., & Roman, C. (2013, June). Qualitative methods for studying learning through gameplay at museums and science centers. Poster presented at *Games Learning Society (GLS 2013)*. Madison, WI.
8. Bonsignore, E., Ahn, J., Clegg, T.L., Guha, M.L., Hourcade, J.P., **Yip, J.C.** & Druin, A. (2013, June) Embedding participatory design into designs for learning: An untapped interdisciplinary resource? Invited symposium at the *Tenth Computer Supported Collaboration Learning Conference (CSCL 2013)*. Madison, WI.
9. Walsh, G., Foss, E., **Yip, J.** & Druin, A. (2013, June). *FACIT PD: Framework for analysis and creation of intergenerational techniques for participatory design*. Presentation and poster presented at the 30th Annual Human-Computer Interaction Symposium. College Park, MD.
10. **Yip, J.C.** (2013, May). *Technology for promoting ownership in science learning*. Presentation and poster presented at the 30th Annual Human-Computer Interaction Symposium. College Park, MD.
11. Walsh, G., Foss, E., **Yip, J.** & Druin, A. (2013, May). FACIT PD: Framework for analysis and creation of intergenerational techniques for participatory design. Full paper presented at the *Proceedings of the 31st International Conference on Human Factors in Computing Systems (CHI 2013)*. Paris, France.
12. **Yip, J.C.** (2013, April). *Building a conceptual model of ownership in science learning*. Invited talk at University of Maryland - Graduate Research Interaction Day. College Park, MD.
13. Gubbels, M., **Yip, J.C.**, Kim, J., & Ahn, J. (2013, February) Science INquiry. Poster and invited talk presented at the *iConference 2013 Social Media Expo*, Ft. Worth, TX.

2012

1. **Yip, J.C.**, Foss, E., & Guha, M.L. (2012, October). *Co-designing with adolescents*. Invited workshop at the Designing Interactive Technology for Teens Workshop at NordiCHI. Copenhagen, Denmark.
2. **Yip, J.C.**, Clegg, T.L., Bonsignore, E., Gelderblom, H., Lewites, B., Guha, M.L., & Druin, A. (2012, July). Kitchen Chemistry: Supporting learners' decisions in science. Paper presented at the *Tenth International Conference of the Learning Sciences (ICLS)*. Sydney, Australia.
3. Clegg, T.L., Bonsignore, E., **Yip, J.C.**, Gelderblom, H., Kuhn, A., Valenstein, T. & Druin, A. (2012, June). Technology for promoting scientific practice and personal meaning in life-relevant learning. Paper presented at the *Proceedings of the 11th International Conference on Interaction Design and Children (IDC 2012)*. Bremen, Germany.
4. Walsh, G., Druin, A., Guha, M.L., Bonsignore, E., Foss, E., **Yip, J.**, Golub, E., Clegg, T., Brown, Q., & Brewer, R. (2012, June). DisCo: A co-design online tool for asynchronous distributed child and adult design partners. Paper presented at the *Proceedings of the 11th International Conference on Interaction Design and Children (IDC 2012)*. Bremen, Germany.
5. Clegg, T.L., **Yip, J.C.**, Bonsignore, E., Rhodes, E. & Druin, A. (2012, June). *Technology for promoting scientific practice and personal meaning in life-relevant learning*. Presentation and poster presented at the 29th Annual Human-Computer Interaction Symposium. College Park, MD.
6. **Yip, J.C.** (2012, May). *Cooperative inquiry in designing technology in life-relevant learning for science*. Paper presented at the Teachers College Educational Technology Conference, New York, NY.

7. Bonsignore, E., Clegg, T., & **Yip, J.C.** (2012, April). *Life-relevant learning*. Invited panelist presented at Association of Independent Maryland & DC Schools Technology Retreat, St. Michaels, MD.
8. **Yip, J.C.**, Clegg, T.L., Druin, A., Guha, M.L., Golub, E., Bonsignore, E., Foss, E., & Walsh, G. (2012, April). *Cooperative inquiry in designing technology in life-relevant learning for science*. Paper presented at the Annual Meeting of the American Educational Research Association, Vancouver, BC, Canada.
9. Stieff, M., Ryu, M., **Yip, J.C.** (2012, April). *Speaking across levels: Generating and addressing levels confusion in discourse*. Paper presented at the Annual Meeting of the American Educational Research Association, Vancouver, BC, Canada.

2011

1. Clegg, T. & **Yip, J.C.** (2011, October). *Kitchen Chemistry: Technology for supporting children's choice in life-relevant learning*. Presentation at the Human-Computer Interaction Lab, College Park, MD.
2. **Yip, J.C.**, Ahn, J. & Yeh, T. (2011, July). *BUMP Science*. Poster presented at Gordon Research Conference – Visualization in Science Education. Smithfield, RI.
3. Ryan, S., **Yip, J.**, Nighelli, T., & Stieff, M. (2011, June). *Using participatory design to develop visualization for learning*. Poster presented at the Gordon Research Conference on Visualization in Science and Education Conference. Smithfield, RI.
4. **Yip, J.C.**, Clegg, T., Druin, A., & Cavallo, D. (2011, June). *Kitchen Chemistry: A context for developing technology for life-relevant learning*. Poster presented at Chemical Education Research Conference. Miami, OH.
5. **Yip, J.C.**, Clegg, T., Druin, A., & Cavallo, D. (2011, May). *Kitchen Chemistry: A context for developing technology for life-relevant learning*. Presentation at the Human-Computer Interaction Lab Symposium. College Park, MD.
6. **Yip, J. C.**, Jaber, L. Z., & Stieff, M. (2011, April). *Examining changes in students' coordination of verbal and pictorial chemical representations in response to instruction*. Paper presented at the American Educational Research Association. New Orleans, LA.

2010

1. **Yip, J.**, & Stieff, M. (2010, May). *Examining teacher decision-making during enactments of novel technology-infused curricula*. Poster presented at the Annual Meeting of the American Educational Research Association. Denver, CO.
2. **Yip, J.**, & Stieff, M. (2010, March). *Examining teacher decision-making during enactments of novel technology-infused curricula*. Poster presented at the Graduate Student Conference at the University of Maryland, College Park, MD.
3. **Yip, J.C.** (2010, Spring). *Connected Chemistry*. Presentation at the University of Maryland, College Park, MD.

2009

1. Stieff, M., Ryu, M., & **Yip, J.** (2009, April). *Speaking across levels-teacher & student perspectives of chemistry*. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, CA.

MEDIA PUBLICATIONS HIGHLIGHTING RESEARCH

2014 August 04, New York Times:

“Nickelodeon Launches New Nick.com with Unique Horizontal Layout, Edge-to-Edge Design, TV Everywhere and Slate of Original, Digital-Only Series”

2014 August 03, New York Times:
“Nickelodeon’s Digital Generation”

2013 February 20, New York Times:
“Nickelodeon Hopes Its App Wins Hearts”

RESEARCH FUNDING EXPERIENCE

CURRENT GRANTS AND FUNDING

- 2016 DESIGN THINKING AND DIGITAL GAMES IN LIBRARIES
Funder: University of Washington – iSchool Strategic Research Fund Proposal (submitted)
Investigators: Jinha Lee (Co-PI)
Role: PI
- DESIGN THINKING AND DIGITAL GAMES IN LIBRARIES
Funder: Institute of Library and Museum Services: National Leadership Grants for Libraries (letter of intent submitted)
Investigators: Jinha Lee (Co-PI), Lisa Castaneda (Co-PI, foundry10), Justin Bonny (Co-PI, foundry10), Tom Swanson (Co-PI, foundry10)
Role: PI
- 2015 DESIGN FOR LIBRARIES AND LIBRARIANS COURSE DEVELOPMENT
Funder: Bill and Melinda Gates Foundation (not funded)
Investigators: Jinha Lee (PI), Mike Crandall, Helene Williams, Rachel Clarke, & Randy Orwin
Role: Key-Personnel
- SUPPORTING YOUTH ONLINE INFORMATION BROKERS: THE ROLE OF AMPLIFICATION THEORY AS A TOOL FOR HCI DESIGN IN FAMILIES WITH LIMITED ENGLISH PROFICIENCY
Funder: National Science Foundation Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII) (submitted)
Role: Sole PI
- YOUTH SEARCHING AND BROKERING ONLINE INFORMATION FOR LATINO FAMILIES WITH LIMITED ENGLISH PROFICIENCY
Funder: Google Faculty Research Award, **\$69,000**
Investigators: Carmen Gonzalez (Co-PI)
Role: PI
- YOUTH SEARCHING AND BROKERING ONLINE INFORMATION FOR LATINO FAMILIES WITH LIMITED ENGLISH PROFICIENCY
Funder: University of Washington Royalty Research Fund (competitive, not funded, resubmit in March 2016)
Investigators: Carmen Gonzalez (Co-PI)
Role: PI
- CURIOSME: ENGAGING YOUTH IN EXPLANATIONS OF EVERYDAY NATURAL AND ARTIFICIAL SYSTEMS
Funder: National Science Foundation CyberLearning, (competitive, not funded)
Investigators: Andrew Ko (PI), Katie Davis (Co-PI)
Role: Co-PI
- 2014 SCIENCEKIT FOR SCIENCEEVERYWHERE - A SEAMLESS SCIENTIZING ECOSYSTEM FOR RAISING SCIENTIFICALLY-MINDED CHILDREN

- 2014 - 2018
 Funder: National Science Foundation CyberLearning DIP, **\$1.35 million**, Award#:1441523
 Investigators: Tamara Clegg (PI), June Ahn (Co-PI)
 Role: Co-PI
- 2013 JOAN GANZ COONEY CENTER FELLOWSHIP AWARD
 2013 - 2014
 Funder: Sesame Workshop, **\$50,000**
 Role: Fellowship recipient
- 2012 TECHNOLOGIES FOR SUPPORTING LIFE-RELEVANT LEARNING
 Funder: National Science Foundation CyberLearning, (competitive, not funded)
 Investigators: Tamara Clegg (PI), Lori Takeuchi – Joan Ganz Cooney Center, June Ahn, Evan Golub, and Allison Druin (Co-PIs)
 Role: Graduate student
- 2011 DEVELOPING VIDEO GAMES FOR SCIENCE MUSEUMS
 Funder: National Science Foundation Seed Grant, **\$6,000**
 Investigators: Kurt Squire (PI)
 Researchers: Sarah Chu – University of Wisconsin: Madison, Jason Haas – Massachusetts Institute of Technology, Christine Roman – St. Louis Science Center
 Investigation into the development and implementation of video games in the St. Louis Science Center
- 2011 TECHNOLOGIES FOR SUPPORTING LIFE-RELEVANT LEARNING
 Funder: National Science Foundation CyberLearning, (competitive category, not funded)
 Investigators: Tamara Clegg (PI), Allison Druin, and David Cavallo (Co-PI)
 Role: Graduate student

TRAVEL AWARDS

- 2015 Early Career Workshop at Computer Supported Collaborative Learning Conference: \$2,000
- 2013 Yahoo! Human-Computer Interaction Lab Student Researcher Award: \$900
 Interaction Design and Children 2013: \$175
 University of Maryland - International Conference Student Support Award: \$430
 University of Maryland - Graduate Research Interaction Day 2013: \$200
 iConference 2013: Social Media Expo Grant (Microsoft FUSE Lab): \$3,000
 University of Maryland – College of Education Travel Grant: \$200
- 2012 University of Maryland – College of Education International Travel Grant: \$1,000
 University of Maryland – Jacob K. Goldhaber Travel Award: \$600
 Doctoral Consortium of the International Conference of the Learning Sciences: \$1,750
- 2011 Gordon Research Conference – Visualization in Science Education: \$800
 Chemical Education Research Conference: \$600

TEACHING EXPERIENCE

ADVISEES AND ACADEMIC COMMITTEES

Current Advisees

Caroline Pitt (University of Washington, iSchool, co-advisor with Katie Davis): 2015 – present

Dissertation Committees

Completed

Déana Scipio (University of Washington, College of Education, Graduate Student Representative): 2015

Present

Priscilla Jimenez Pazmino (University of Illinois – Chicago, Computer Science): 2015 – present

Dastyni Loksi (University of Washington, iSchool): 2015 – present

Kylie Sobel (University of Washington, Human Centered Design Engineering): 2015 - present

INSTRUCTOR OF RECORD

1. *INFX 598 Computer-Supported Collaborative Learning*
Spring 2015 – Evaluation: 4.6 / 5
 UNIVERSITY OF WASHINGTON – SEATTLE
 Information School
 Computer-supported collaborative learning (CSCL) focuses on how information and communications technologies (ICT) support 1) learning through peer interaction in group work; 2) sharing and distributing knowledge within a community; and 3) enhancing coordinated efforts to solve a problem. Social media, massively open online courses (MOOCs), learning analytics and big data, and online gaming are all examples of new ICT that have the potential to transform how we think about social learning. Today, as modern ICT offer increasing possibilities for sharing, collaboration, and distribution of information and knowledge, the design and study of CSCL systems is a burgeoning area for research. In this course, students will explore the role of collaboration within technology-enhanced learning environments.

2. *INFO 360 Design Thinking*
Winter 2015A – Evaluation: 4.5 / 5
Winter 2016A and B
 UNIVERSITY OF WASHINGTON – SEATTLE
 Information School
 This course about design thinking. Students learn how envision, explain, and evaluate solutions to a wide range of human problems involving information and interaction. These skills include user research methods, visual and interaction design skills, methods for evaluating designs, and skills for communicating your designs. The course is a balance between lectures, classroom activities, critiques, and a quarter-long team project.

3. *EDCI 470 Learning and Teaching in Science*
Fall 2012
 UNIVERSITY OF MARYLAND – COLLEGE PARK
 College of Education
 This course is the second in a sequence for prospective science educators in the undergraduate teacher certification program. It coincides with the year-long internship that undergraduates will spend observing and assisting in middle and high school classrooms. The purpose of this course was to help undergraduates begin to develop practices of instruction. During this course, we focused attention on student learning and make the transition to think about the relationships and interactions between student learning and instructional strategies.

TEACHING ASSISTANT

4. *LSBC 708N Human-Computer Interaction Design Methods (Fall 2011)*
 UNIVERSITY OF MARYLAND – COLLEGE PARK
 College of Information Studies
 This course covered methods of user-centered design, including understanding user needs, ideation, contextual design, participatory design, iterative prototyping, and visual design. Readings included journal and conference papers, book chapters, government documents, commercial websites, and more. All students were expected to complete small group in-class exercises, class discussions, “design workout” homework, a poster presentation, and final group project presentation/prototype.

5. *Urban Studies 208: Penn-West Philadelphia Summ Int (Summer 2000 – Fall 2001)*
 UNIVERSITY OF PENNSYLVANIA
 School of Arts and Sciences
 One of the seminar's aims is to help students develop their capacities to solve strategic, real-world problems by working collaboratively in the classroom and in the West Philadelphia community. Students work as members of research teams to help solve universal problems (e.g., poverty, poor schooling, inadequate health care, etc.) as they are manifested in Penn's local geographic community of West Philadelphia. The seminar focused on improving education, specifically college and career readiness and pathways.

GRADUATE AND PRE-TEACHER SUPERVISOR

6. UNIVERSITY OF MARYLAND – COLLEGE PARK
 Master's Certification Program for Teachers (MCERT) and the Transition from Laboratory to Classroom (TLC) program (2008 – 2010)

TEACHER

7. JAMES HUBERT BLAKE HIGH SCHOOL
 Silver Spring, Maryland
 Chemistry (Standard and AP) Teacher (2006 – 2008)
8. THE SHIPLEY SCHOOL
 Bryn Mawr, Pennsylvania
 Chemistry (Standard and AP), Biology, and Mathematics Teacher (2002 – 2006)
9. UNIVERSITY CITY HIGH SCHOOL
 Philadelphia, Pennsylvania
 Student Teacher (2001 – 2002)

PROFESSIONAL & SERVICE ACTIVITIES

Journal Reviewer

The Information Society
 International Journal of Child-Computer Interaction
 Journal of Children and Media
 Learning, Media, and Technology

Conference Reviewing

ACM CHIPLAY (2015)
 ACM Interaction Design for Children (IDC 2013, 2014, 2015, 2016)
 ACM SIGCHI Conference on Human Factors in Computing Systems: Reviewer (CHI 2013, 2014, 2015); Associate Chair (CHI 2016)
 American Education Research Association Conference (SIG-ATL 2015)
 FabLearn (2014)
 iConference (2015)
 International Conference of the Learning Sciences (ICLS 2014)
 South African Institute of Computer Scientists and Information Technologists Conference (SAICSIT 2014)
 Teachers College Education Technology Conference (TCETC 2012)

Societies

International Society of the Learning Sciences: Membership and Communications (2015, 2016)

Committees

University of Washington – Seattle
 Masters of Library and Information Science Program Committee (2015 – 2016)
 Diversity Committee (2014 – 2015)

University of Maryland – College Park

The Graduate Research and Education Leadership Committee (2010 – 2011)

Student Advisory Committee on Technology (2008 – 2010)

Conference and Symposium Preparations

University of Washington – Seattle Digital Youth Think Thank (2014)

ACM SIGCHI Conference on Human Factors in Computing Systems Conference (CHI 2011)

ACM Interaction Design and Children Conference (IDC 2013)

Future of Information Alliance (FIA 2011 – 2013)

Human-Computer Interaction Lab Annual Symposium (HCIL 2011 – 2013)

iSchool Volunteer Activities and Service

Native girls and coding: Tour of the iSchool space (2016, January 16)

MEMBERSHIPS

Association for Computing Machinery (ACM)

American Educational Research Association (AERA)

International Society of the Learning Sciences (ISLS)