

# Marisol Wong-Villacres

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## Education

- 2021 **Georgia Institute of Technology**  
*Ph.D. Student in Human-Centered Computing*  
Advisors: Betsy DiSalvo and Neha Kumar
- 2011 **Indiana University Bloomington**  
*M.S. in Human Computer Interaction Design*  
Thesis: "Designing to Support Ecuadorian Parents and Children Separated by Migration"  
Advisor: Shaowen Bardzell
- 2009 **Escuela Superior Politécnica del Litoral, Ecuador**  
*Master of Information System Management*
- 2000 **Escuela Superior Politécnica del Litoral, Ecuador**  
*B.S. in Computer Engineering*

## Publications

### Refereed Conference Papers

- Wong-Villacres, M.**, Velasquez, V., Kumar, N. (2017) Social Media and Earthquake Relief: Unpacking its Limitations with Care (2018) In Proceedings of the 2018 Conference on Computer-Supported Collaborative Work (CSCW'18). Manuscript in process of publication
- Wong-Villacres, M.**, Ehsan, U., Solomon, A., Pozo Buil, M., DiSalvo, B. (2017) Design Guidelines for Parent-School Technologies to Support the Ecology of Parental Engagement. In Proceedings of the 2017 Conference on Interaction Design and Children (IDC '17). ACM, 73-83.
- Falcones, G., **Wong-Villacres, M.**, Barzola, V. E., & Garcia, K. C. (2016, October). Enhancing quality of argumentation in a co-located collaborative environment through a tabletop system. In Ecuador Technical Chapters Meeting (ETCM), IEEE (Vol. 1, pp. 1-6). IEEE.
- Wong-Villacres, M.**, Barzola, V. E., Granda, R., & Garcia, K. C. (2016, July). Portable Tabletops: A Low-Cost Pen-and-Touch Approach. In International Conference on Human-Computer Interaction (pp. 241-252). Springer International Publishing.
- Wong-Villacrés, M.**, Ortiz, M., Echeverria, V., Chiluiza, K. (2015, November). A Tabletop System to Promote Argumentation in Computer Science Students. In ACM International Conference on Interactive Tabletops and Surfaces (ITS '15). ACM, New York, NY, USA.
- Granda, R. X., Echeverria, V., Chiluiza, K., & **Wong-Villacres, M.** (2015, July). Supporting the Assessment of Collaborative Design Activities in Multi-tabletop Classrooms. In Computer Aided System Engineering (APCASE), 2015 Asia-Pacific Conference on (pp. 270-275). IEEE.
- Wong-Villacres, M.** and Bardzell, S. 2011. Technology-Mediated Parent-Child Intimacy: Designing for Ecuadorian Families Separated by Migration. Proc. CHI EA '11, pp. 2215–2220. ACM Press.

### Workshops Papers

- Wong-Villacres, M.**, Kumar, N., DiSalvo, B. (2017, June). ICT for an Inclusive Ecology of Parental Engagement: An Asset-based Approach. Equity & Inclusivity at IDC, 2017 Conference on Interaction Design and Children (IDC '17). ACM.
- Wong-Villacres, M.**, DiSalvo, B., Kumar, N. (2017, May). Designing Technologies for Non-Dominant Communities to Cross Social-Cultural Borders. In the Development Consortium: HCI Across Borders, 2017 Conference on Human Factors in Computing Systems (CHI '17). ACM.

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**Wong-Villacrés, M.**, Granda, R. , Ortiz, M. , Chiluzia, K. (2016, April) Exploring the impact of a tabletop-generated group work feedback on students' collaborative skills. CEUR Workshop Proceedings, 1601, pp. 58-64.

## Books

Fager, J., Pantoja, L., **Villacres, M.**, Paez, L., Ochoa, D., Cuadros-Vargas, E. (2014). Data Structures, Iniciativa Latinoamericana de Libros de Texto Abiertos (LATIn) ISBN: 978-9942-14-478-2

## Honors/Awards

- 2017 Schlumberger Faculty for the Future **Fellowship** for Doctoral Studies
- 2017 Grace Hopper Celebration Student **Scholarship** Recipient
- 2017 Tapia **Scholarship** Recipient
- 2016 Microsoft Research Women's **Fellowship** Recipient
- 2011 Women in Science Program Travel **Grant** at Indiana University Bloomington
- 2010 Fulbright Summer **Research** Grant
- 2009 Fulbright Faculty Development **Scholarship** for Master studies
- 2007 Flemish Interuniversity Council (VLIR) Research **Grant**
- 2006 Fundación Carolina **Scholarship** for Post-graduate studies in Spain
- 2004-2006 Best Teacher **Diploma**, ESPOL

## Professional Experience

- 2016 – Pres. **Georgia Institute of Technology**  
*Graduate Research Assistant*  
Culture and Technology (CAT) Lab; Technology and Design for Empowerment(TanDeM) Lab
- 2001 – Pres. **Escuela Superior Politécnica del Litoral, Ecuador**  
*Associate Professor*  
Computer Science Program; Center of Information Technology
- 2010 – 2011 **Indiana University Bloomington**  
*Graduate Student Researcher*
- 2000 - 2004 **Holcim Ecuador**  
*Software Engineer*

## Teaching Experience

### Courses Taught

- 2017 Educational Technology, Georgia Tech
- 2015 – 2016 Human-Computer Interaction (HCI), Escuela Superior Politécnica del Litoral
- 2015 HCI Capstone Course, Topic: Designing for Equity and Inclusion, Escuela Superior Politécnica del Litoral
- 2011 – 2015 Computers and Society, Escuela Superior Politécnica del Litoral
- 2011 Computer Networks, Escuela Superior Politécnica del Litoral
- 2007 Programming Languages, Escuela Superior Politécnica del Litoral
- 2005 – 2008 Object-Oriented Programming, Escuela Superior Politécnica del Litoral
- 2002 - 2012 Data Structures, Escuela Superior Politécnica del Litoral

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2001 – 2006    Programming Fundamentals, Escuela Superior Politécnica del Litoral

## Teaching Assistant

2017            Educational Technology, Georgia Tech  
2011            Multimedia Arts and Technology, Indiana University  
2010            Interaction Design Methods, Indiana University  
2009 – 2010    Intro to Informatics, Indiana University

## Academic Services

2017            Volunteer at IDC Interaction Design and Children 2017 (Stanford, CA, US)  
2017            Reviewer at FabLearn 2017  
2017            Reviewer at ICTD Information and Communication Technologies and Development 2017  
2016            Reviewer at NordiCHI 2016 Papers and Notes  
2015-2017     Reviewer at CHI Papers and Notes  
2015-2016     Tutor of the Physical Computing Student Club, Escuela Superior Politécnica del Litoral  
2011            Volunteer at Interaction '11 (Boulder, CO, USA)  
2019-Pres     Member of Association for Computing Machinery (ACM)  
2005-2009     Tutor of the Free and Open Source Student Club, Escuela Superior Politécnica del Litoral  
2007-2009     Coordinator of the Free and Open Source Latin American Festival for Guayaquil-Ecuador  
2008            Vice President of the Ecuadorian Free and Open Source Association  
2005-2006     Vice President of the Women in Engineering (WIE) Chapter ESPOL IEEE

## Skills

### Research

Qualitative data collection: Interviewing, ethnographic observations, cultural probes, focus groups, contextual inquiry, artifact analysis, affinity diagramming

Quantitative data collection: Surveys

Design Research: Scenarios, Mind Mapping, Sketching, Storyboarding, Prototyping, Usability Tests

### Technical

HTML/CSS, JavaScript, Python, PHP, Processing, Arduino Sketch, Objective C, Python, SQL, C, C++, C#, Visual Basic .NET, Java, JSP, MySQL, PostgreSQL, SQL Server, XML, Joomla, Multimedia (Pure Data), Adobe Photoshop, Illustrator, After Effects, Audacity, Gimp, Inkscape, Joomla, Apache.

### Languages

Spanish (native)

English (fluent)