

# Joelle Alcainho

joelle@gatech.edu

us +1 408 256 3553  
uk +44 7408 870421  
url joelle-a.com  
@ joelle\_writes  
+ joellealcainho

## Profile

While a graduate student at Georgia Institute of Technology, projects included an augmented reality STEM education application, proximity and step tracking wristbands for families, and a quantified self and smart home tool. Her PhD research focus is in the field of Human-Animal-Computer Interaction and seeks to address the information asymmetry between humans and dogs through ubiquitous computing technologies. Was recently awarded the Wearable Computing Center Engagement Grant for ONSCENT a wearable scent detection system for working dogs. A founding member of the Animal-Computer Interaction Lab at Georgia Institute of Technology and a recipient of the 2015 Intel PhD Fellowship and 2016 SRC Graduate Fellowship.

## Publications

Alcainho, J., Valentin, G., Yoder, N., Tai, S., & Mundell, P., Jackson, M., (2014, October).

**Assessment of Working Dog Suitability From Quantimetric Data.** In Proceedings of the Animal-Computer Interaction Workshop at the 8th Nordic Conference on Human-Computer Interaction. ACM.

Valentin, G., Alcainho, J., Freil, L., Zeagler, C., Jackson, M., & Starner, T. (2014, September).

**Canine Reachability of Snout-based Wearable Inputs.** In Proceedings of the 2014 ACM International Symposium on Wearable Computers (pp. 141-142). ACM.

Valentin, G., Freil, L., Alcainho, J., Zuerndorfer, J., Mason, C., Jackson, M. **Wearable Alert System for Mobility-Assistance Service Dogs.** (2015, March). In Proceedings of 30th Annual International Technology and Persons with Disabilities Conference.

Alcainho, J., Valentin, G., Yoder, N., Tai, S., & Mundell, P., Jackson, M. **Quantimetric Analysis of the Relationship Between Restfulness and Dog Training Outcomes.** (2015, March). In Proceedings of the 9th International Working Dog Conference, Journal of Veterinary Behavior: Clinical Applications and Research. Accepted.

Alcainho, J., Tai, S., Valentin, G., Nguyen, B., Sanders, K., Gilbert, E., Jackson, M., Starner, T. (2015, August). **Leveraging Mobile Technology to Increase the Permanent Adoption of Shelter Dogs.** In Proceedings of the 17th International Conference on Human-computer Interaction with Mobile Devices & Services. ACM.

Valentin, G., Alcainho, J., & Jackson, M. M. (2015, September). **The Challenges of Wearable Computing for Working Dogs.** In Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2015 ACM International Symposium on Wearable Computers (pp. 1279-1284). ACM.

Valentin, G., Alcainho, Jackson, M., Howard, A., & Starner, T. (2015, November). **Towards a Canine- Human Communication System Based on Head Gestures.** In Proceedings of the The Second International Congress on Animal Computer Interaction at ACE 2015.

Alcainho, J. (2016, May). **Canine Behavior and Working Dog Suitability from Quantimetric Data.** CHI'16 Extended Abstracts on Human Factors in Computing Systems. Doctoral School

Valentin, G., Alcainho, J. , Jackson, M., Howard, A. & Starner, T. (2016, September). **Creating Collar-sensed Motion Gestures for Dog-Human Communication in Service**

**Applications** In Proceedings of the 2016 ACM International Symposium on Wearable Computers. ACM.

Alcainho, J., Freil, L., Kelly, T., Marland, K., Wu., C., Wittenbrook, B., Valentin, G., Jackson., M. (2017, February). **Mobile collaboration for Human and Canine Police Explosive Detection Teams**. In Proceedings of the 2017 ACM Conference on Computer-Supported Cooperative work and Social Computing. Accepted.

### Experience

**CS Instructor, College of Computing, Georgia Institute of Technology**

Atlanta, GA 2016

**New Devices Group Graduate Technical Intern, Intel**

Santa Clara, CA 2016

**CCG SW Quality Graduate Intern, Intel**

Santa Clara, CA 2015

**Graduate Research Assistant, Georgia Institute of Technology**

Atlanta, GA 2013 - 2015

**UX Instructor, General Assembly**

Atlanta, GA 2015

**Research Scientist, Whistle Labs**

San Francisco, CA 2014 - 2015

**Writer, Apartment Therapy**

New York, NY 2009 - 2014

**Director of Educational Technology, MetSchools**

New York, NY 2012

**Community Manager, Lascaux Co.**

New York, NY 2011-2012

**Director of Information Technology, The Mandell School**

New York, NY 2010-2011

**Social Media Marketing Director, MiMedia**

Port Chester, NY 2010

**Customer Support Specialist, Apple**

New York, NY 2009

**Visual Merchandiser, Pylones**

New York, NY 2008

**Technology Liaison, PS41**

New York, NY 2006-2008

**Artist & Trainer, Stila Cosmetics**

Southeastern US 2003-2006

**Education**

**Georgia Institute of Technology**, Atlanta, GA — 2013 - Current

PhD - Interactive Computing, Human-Centered Computing

Co-advised by Dr. Gregory Abowd and Dr. Melody Jackson

Qualifying Exams Passed Spring 2016.

**Fordham University**, New York, NY — MS: Teaching - 2008

**University of Central Florida**, Orlando, FL — BA: Liberal Studies, Sociology Minor - 2006

**Selwyn College**, Cambridge, UK — President's Scholars Summer Programme - 2005

**Service**

**Publicity Co-Chair, 18th International Conference on Human-Computer Interaction with Mobile Devices and Services** 2016

**Reviewer, Late-Breaking Work, CHI** 2016

**Program Committee, International Conference on Animal-Computer Interaction** 2015

**Reviewer, International Conference on Animal-Computer Interaction** 2015

**Reviewer, Provocations and Works-In-Progress, DIS** 2014

**Puppy Raiser, Canine Companions for Independence** 2014 - 2015

**Volunteer Dog Trainer, Fulton County Animal Services** 2014 - 2015

**Coach, Coca-Cola Startup Weekend** 2013

US & EU citizen, CPDT-KA, and a member of ACM, SWE, IAABC, APDT, and SIGCHI.