Jean Marcel dos Reis Costa

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Education

2013-pres	**Ph.D. Candidate** in Information Science, *Cornell University* *Concentration*: Human-Computer Interaction *Doctoral Minor*: Computer Science *Committee*: Tanzeem Choudhury (chair), Malte Jung, François Guimbrètiere *GPA*: 3.99/4.00
2009-2011	**MSc.** in Computer Science, *Federal University of Para*
2004-2008	**B.Sc.** in Computer Science, *Federal University of Para*

Work Experience

2013-pres	**Research Assistant** in Department of Information Science at *Cornell University* *Works with Dr. Tanzeem Choudhury* *Summary*: Developing and evaluating mobile technologies to improve people's well-being by subtly changing the perception of bodily or environmental cues
2017	**Research Intern** at *Oculus Research* *Worked with Dr. Cesare Parise* *Summary*: Designed and conducted experiments to study people's perception during VR experiences
2016	**Research Intern** at *Microsoft Research - VIBE group* *Worked with Dr. Mary Czerwinski* *Summary*: Designed and conducted a user study to investigate how communication technologies can be used to defuse interpersonal conflicts.
2015	**Research Intern** at *Telefonica Research - Predictive Health group* *Worked with Dr. Aleksandar Matic and Dr. Nuria Oliver* *Summary*: Conducted analysis of call details records (CDR) to investigate the relationship between mobility and communication patterns and mental health indicators.
2012-2013	**Assistant Researcher** at *Vale Institute of Technology - Health and Safety group*

Summary: Conducted interviews with Vale employees and developed mobile technologies to improve safety conditions in railways and mining operations.

2011 **Research Intern** at *Siemens Corporate Research - User Experience group*
Worked with Dr. Sam Zheng
Summary: Conducted a contextual inquiry with designers and developed an online collaborative tool to facilitate the modeling of user interfaces.

Teaching Experience

2015 **Teaching Assistant - INFO 4130/6130 (Health and Computation)** in Department of Information Science at *Cornell University*

2014 **Teaching Assistant - INFO 4130/6130 (Health and Computation)** in Department of Information Science at *Cornell University*

2012 **Teaching Assistant - Laboratory of Software Engineering** in Department of Computer Science at *Federal University of Para*

2010 **Teaching Assistant - Object-oriented Programming** in Department of Computer Science at *Federal University of Para*

Publications

2018 J. Costa, M. F. Jung, M. Czerwinski, F. Guimbretière, T. Le, and T. Choudhury. Regulating feelings during interpersonal conflicts by changing voice self-perception. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, page 631. ACM, 2018

V. W.-S. Tseng, S. Abdullah, J. Costa, and T. Choudhury. Alertnessscanner: What do your pupils tell about your alertness. 2018

2017 J. Costa, A. T. Adams, M. F. Jung, F. Guimbretière, and T. Choudhury. Emotioncheck: A wearable device to regulate anxiety through false heart rate feedback. *GetMobile: Mobile Computing and Communications*, 21(2):22–25, 2017

2016 J. Costa, A. T. Adams, M. F. Jung, F. Guimbetière, and T. Choudhury. Emotioncheck: leveraging bodily signals and false feedback to regulate our emotions. In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 758–769. ACM, 2016 ***Best Paper Award**

S. Muralidhar, J. M. Costa, L. S. Nguyen, and D. Gatica-Perez. Dites-moi: Wearable feedback on conversational behavior. In *Proceedings of the 15th International Conference on Mobile and Ubiquitous Multimedia*, number EPFL-CONF-223761, 2016

G. M. Sandstrom, V. W.-S. Tseng, J. Costa, F. Okeke, T. Choudhury, and E. W. Dunn. Talking less during social interactions predicts enjoyment: A mobile sensing pilot study. *PloS one*, 11(7):e0158834, 2016

2015   A. T. Adams*, J. Costa*, M. F. Jung, and T. Choudhury. Mindless computing: designing technologies to subtly influence behavior. In *Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 719–730. ACM, 2015 ***Co-first authors**

S. Abdullah, E. L. Murnane, J. M. Costa, and T. Choudhury. Collective smile: Measuring societal happiness from geolocated images. In *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing*, pages 361–374. ACM, 2015

J. M. d. R. Costa*, R. Rotabi*, E. L. Murnane, and T. Choudhury. It is not only about grievances: Emotional dynamics in social media during the brazilian protests. In *Ninth International AAAI Conference on Web and Social Media*, 2015 ***Co-first authors**

2011   J. M. Costa, M. Cataldo, and C. R. de Souza. The scale and evolution of coordination needs in large-scale distributed projects: implications for the future generation of collaborative tools. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, pages 3151–3160. ACM, 2011

2010   J. M. Costa, R. M. Feitosa, and C. R. De Souza. Tool support for collaborative software development based on dependency analysis. In *6th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2010)*, 2010

J. M. dos Reis Costa and C. R. B. De Souza. Analyzing the scalability of awareness networks in a distributed software development project. In *Collaborative Systems-Simposio Brasileiro de Sistemas Colaborativos (SBSC), 2010 Brazilian Symposium of*, pages 103–110. IEEE, 2010 ***Best Paper Award**

2009   J. M. Costa, F. W. Santana, and C. R. De Souza. Understanding open source developers evolution using transflow. In *Groupware: Design, Implementation, and Use*, pages 65–78. Springer, 2009

2008   J. M. Costa, R. M. Feitosa, and C. Souza. Raisaware: Uma ferramenta de auxílio à engenharia de software colaborativa baseada em análises de dependências. In *Sistemas Colaborativos, 2008 Simpøsio Brasileiro de*, pages 254–264. IEEE, 2008 ***Best Paper Award**

Awards

- Best Paper Award at the International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2016

- EmotionCheck paper listed in the ACM Best of Computing Notable Books and Articles, 2016

- Best Paper Award at the Brazilian Symposium on Collaborative Systems (SBSC), 2010

- Best Paper Award at the Brazilian Symposium on Collaborative Systems (SBSC), 2008

Service

<u>Reviewer</u>: CHI 2018, CHI 2017, CHI 2016, CHI 2015, CHI 2014, UbiComp 2017, UbiComp 2016, UbiComp 2015, SBSC 2012, SBSC 2010

<u>Program Committee</u>: Mental Health: Sensing and Intervention (Ubicomp 2018 Workshop), MINDCARE 2016, MINDCARE 2015

<u>Member</u>: Information Science Ph.D Admissions Committee (2015)

Skills

<u>Languages</u>: Java, JavaScript, C++, Python, R, MySQL, PHP, Shell Scripting

<u>Other</u>: Qualitative Methods (Surveying, Interviewing), Statistical Analysis, Prototyping, Information Visualization