

# MARIAM HASSIB

HCI /UX Researcher

Birkerstr. 11, 80636, Munich, Germany

Phone: +49-176-7033-4545

[mariam.hassib@gmail.com](mailto:mariam.hassib@gmail.com)

[www.mariamhassib.net](http://www.mariamhassib.net)

**EDUCATION** **PhD Candidate, Human Computer Interaction Lab** May 2014 - Present  
Institute of Visualization and Interactive Systems (VIS)  
University of Stuttgart, Germany

**Research Focus:** I am **designing** and developing novel affective and cognitive-aware communication technologies using physiological sensors such as heart rate, electroencephalography (EEG) and eye tracking.

**Master of Science, Computer Software Engineering** Oct 2010 - Dec 2012  
University of Stuttgart, Germany

**Graduation grade:** 1.4, Honors (German Grading System)

**Master Thesis:** Cognitive task classification using single-electrode Brain Computer Interfaces, **Human Computer Interaction Lab**.

**Bachelor of Science, Digital Media Engineering** Sep 2005 - Jun 2010  
German University in Cairo (GUC) , Egypt

**Graduation Grade:** 1.04, High Honors (German grading system)

**Bachelor Thesis:** Integration of Arabic Language in Automotive User Interfaces, Daimler AG, Ulm, funded by DAAD and German University in Cairo

**PROFESSIONAL EXPERIENCE** **Trustious.com, Reviews Website, Cairo, Egypt** Mar - Dec 2013  
User Experience Researcher

- User research through **focus groups, surveys** and **interviews** for new categories
- **Usability testing** for several user stories (sign up, search, filter), qualitative and quantitative analysis
- Card sorting, information architecture, wireframing
- Migrating to a lean startup sprint

**Sony Research Center, Stuttgart, Germany** May - Oct 2011  
Speech and Sound Group, Intern

- Video/Image analysis and filtering
- Algorithm development for extraction of subtitle text from using Matlab

**Arability.com, Usability Consultancy, Cairo, Egypt** May2011-Feb2013  
User Experience Researcher

- Project requirements, identifying target users, developing **personas**
- Heuristic evaluations and usability testing for clients such as **Etisalat Telecom** (mobile App), **Modern Education Schools** (Website), **Mariotte Careers** (Website).

**Daimler AG, Telematics and Infotainment, Ulm, Germany** Mar - Aug 2009  
Experience Design and Development, Intern

- Concept design for Arabic GUI elements
- Development of Arabic navigation and radio interface

## Student Jobs

- **Institute of Computational Physics**, Perl Development Mar-Aug 2012
- **SIMTECH technology cluster**, PHP Web Development Jan-Mar 2011
- **Vodafone Egypt**, Perl Development Intern Jul-Aug 2008
- **Teaching Assistant**, Computer Science, German University in Cairo Oct'07 -Jun'10

## SKILLS UX Methods

Study design, usability testing, user research, interviews, focus groups, surveys, information architecture, personas, card sorting, heuristic evaluation, wireframing, statistical analysis, qualitative analysis

## Development and Software

Java/Android, Python, Matlab, HTML, CSS, JS, SPSS, Atlas.Ti, Baslamiaq

## SELECTED PUBLICATIONS

**Hassib, M.**, Buschek, D., Wozniak, P., & Alt, F. (2017). HeartChat: Heart Rate Augmented Mobile Chat to Support Empathy and Awareness In **CHI '17**: Proceedings of the 35th SIGCHI Conference on Human Factors in Computing Systems. ACM.

**Hassib, M.**, Pfeifer, M., Schneegass, S., Rohs, M., & Alt, F. (2017). Emotion Actuator: Embodied Emotional Feedback through Electroencephalography and Electrical Muscle Stimulation In **CHI '17**: Proceedings of the 35th SIGCHI Conference on Human Factors in Computing Systems. ACM.

**Hassib, M.**, Schneegass, S., Eiglsperger, P., Henze, N., Schmidt, A. & Alt, F. (2017), EngageMeter: A System for Implicit Audience Engagement Sensing Using Electroencephalography in **CHI '17**: Proceedings of the 35th SIGCHI Conference on Human Factors in Computing Systems. ACM.

**Hassib, M.**, Khamis, M., Schneegass, S., Sahami, A., & Alt, F. (2016). Investigating User Needs for Bio-sensing and Affective Wearables In **CHI '16 : Extended Abstracts** of the 34th SIGCHI Conference on Human Factors in Computing Systems. ACM.

Abdelrahman, Y., **Hassib, M.**, Funk, M., Marquez, M. & Schmidt, A. (2015). Implicit Engagement Detection for Interactive Museums Using Brain-Computer Interfaces. MobileHCI'15: Extended Abstracts of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services. ACM.

Sahami, A. S., **Hassib, M.**, Henze, N., Schmidt, A., & Kunze, K. (2014). What's on your mind?: mental task awareness using single electrode brain computer interfaces. In Proceedings of the 5th Augmented Human International Conference ACM.

## ACADEMIC SERVICE

**Reviewer:** TOCHI'17, CHI('16,'17) INTERACT'17, MobileHCI'17,, NordiCHI'16, IDC'16  
**Program Committee:** MUM'16, Augmented Human'16, MuC'15, AutoUI'15  
**Student Volunteer:** MuC'15, IoT'16

## HONORS & Awards

**DAAD GERLS PhD Fellowship:** 3 year scholarship to complete my PhD  
**Google Anita Borg EMEA Finalist:** Attended Scholar's Retreat in Zurich, Switzerland  
**DAAD Bachelor Thesis Scholarship:** High honors scholarship for Bachelor thesis project in Daimler AG, Germany

**2014**  
**2011**  
**2009**

## LANGUAGES

**English:** Fluent, instruction language  
**German:** Fluent, B2 Goethe Certificate  
**Arabic:** Mother tongue