

Mirko Gelsomini

PHD STUDENT · ACCESSIBILITY & SOFTWARE ENGINEER · UX RESEARCHER · FREELANCER

✉ phd.mirko.gelsomini@gmail.com 🏠 mirko.gelsomini.info 🔔 "Do cool things that matter"

Current Positions

Politecnico di Milano

Milan, ITA

PHD STUDENT IN THE INNOVATIVE INTERACTIVE INTERFACES LABORATORY - I3LAB (SUP: FRANCA GARZOTTO)

Oct. 2014 - Expected: Oct. 2017

- Design, develop and evaluate innovative interactive technologies for children with Neurodevelopmental Disorders
- Main interests: motion-based activities, robotics, virtual reality, multisensory environments- More on www.i3lab.me

Education

Massachusetts Institute of Technology - Media Lab

Cambridge, MA, USA

PHD VISITING STUDENT IN THE PERSONAL ROBOTS GROUP (SUP: CYNTHIA BREAZEAL)

2016 - 2017

- Development of a storytelling learning companion-robot and software platform for preschool children's early literacy skills
- Design of storytelling learning activities for children with Autism

Harvard University

Cambridge, MA, USA

GRADUATE CERTIFICATE IN STRATEGIC MANAGEMENT

2016

- Classes in Extensive Studies: Innovation, Entrepreneurship, and Business Transformation; Marketing Management; Mergers, Acquisitions, and Restructurings; Negotiation and Organizational Conflict Resolution; Strategic Management

Georgia Institute of Technology

Atlanta, GA, USA

RESEARCH FELLOW IN THE UBICOMP GROUP (SUP: GREGORY ABOWD)

2013 - 2014

- Design, develop and evaluate touchless motion based games for educational and therapeutic purposes.

Politecnico di Milano

Milan, ITA

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING - TRACK: HCI AND SOFTWARE ENGINEERING

2011 - 2013

- Graduation Grade: 110/110 summa cum laude - Transcript available upon request

Politecnico di Milano

Milan, ITA

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING - TRACK: SOFTWARE ENGINEERING

2008 - 2012

Honors & Awards

2016	Best Paper , Attentive Robot Listener Engages Children in Language Learning	NewFriends Conference, Barcelona, Spain
2016	Winner , Student Research Competition - supported by Microsoft Research	Assets Conference, Reno, USA
2016	Winner , IBM Award - Socially Assistive Cognitive Robotics for the Elderly	Prof. Franca Garzotto - Politecnico di Milano
2016	Best Paper , in practicality, marketability, phys.interaction and presentation	Roman Conference, NY, USA
2016	Finalist , EIT Innovators Award	Budapest, HUN
2016	Winner , Roberto Rocca Fellowship	Politecnico di Milano - MIT
2014	Winner , Polisocial Award - Kinect Robot Interaction for Children with ASD	Politecnico di Milano, Milan, ITA
2014	Best Paper , in "Motion-based Touchless Interaction for ASD Children"	AVI Conference, Como, ITA
2013	Winner , Scholarship for Outstanding Master Thesis	Georgia Tech - Politecnico di Milano
2013	Winner , Scholarship for Merit	Politecnico di Milano, Como, ITA
2013	Winner , Contest "Westmar win a free rent"	Westmar Student Lofts, Atlanta, USA
2012	Winner , Scholarship for Merit	Politecnico di Milano, Como, ITA
2010	Winner , GreenLife Ecologic Portal	Chamber of Commerce, Milan, ITA
2009	Winner , Carta Regionale dei Servizi - Lombardy Region	Lombardy, ITA
03-07	Winner , 4 Scholarships for Merit	Municipality of Cornaredo, Milan, ITA

Projects

30+ Projects Portfolio Available upon request, for a short description visit mirko.gelsomini.info

References

5 References Available upon request, from Gregory Abowd, Andrea Bonarini, Cynthia Breazeal, Franca Garzotto, Paolo Paolini

Languages

Italian: Native Language **English:** Advanced (C2 - C.E.F.) - 2016

Publications & Posters

Designing Interactive Multisensory Environments for Children with Neurodevelopmental Disorder FRANCA GARZOTTO, MIRKO GELSOMINI, FRANCESCO CLASADONTE	Paper - CHI (submitted) 2017
Contingent Backchannel Feedback Affects Children's Storytelling Behavior Towards Social Robots HAE WON PARK, MIRKO GELSOMINI, JIN JOO LEE, CYNTHIA BREAZEAL	Paper - ICRA (submitted) 2017
Polipo – a Tangible Toy for Children with Neurodevelopmental Disorders VICTORIA TAM, MIRKO GELSOMINI, FRANCA GARZOTTO	Paper - TEI (submitted) 2017
Attentive Robot Listener Engages Children in Language Learning MIRKO GELSOMINI, HAE WON PARK, JIN JOO LEE, CYNTHIA BREAZEAL	Workshop - NEWFRIENDS 2016
An Affordable Virtual Reality Learning Framework for Children with Neurodevelopmental Disorder MIRKO GELSOMINI	Paper - ASSETS 2016
Playful interaction with Teo, a Mobile Robot for Children with Neurodevelopmental Disorders ANDREA BONARINI, FRANCESCO CLASADONTE, FRANCA GARZOTTO, MIRKO GELSOMINI, MAXIMILIANO ROMERO	Paper - DSAI 2016
A huggable, mobile robot for developmental disorder interventions in a multi-modal interaction space ANDREA BONARINI, FRANCESCO CLASADONTE, FRANCA GARZOTTO, MIRKO GELSOMINI, MAXIMILIANO ROMERO	Paper - ROMAN 2016
A Smart Dolphin for Children with Neurodevelopmental Disorders MIRKO GELSOMINI, FRANCA GARZOTTO, CARLO RIVA, RICHARD GRIFFIOEN, MARCEL CLERX	Workshop - ROMAN 2016
Wildcard: A Wearable Virtual Reality Storytelling Tool for Children with Intellectual Developmental Disability MIRKO GELSOMINI, FRANCA GARZOTTO, DANIELE MONTESANO, DANIELE OCCHIUTO	Poster - EMBC 2016
Supervised Smart Spaces for ASD Children MIRKO GELSOMINI	Workshop - CHI 2016
Using Brain Signals in Adaptive Smart Spaces for Disabled Children FRANCA GARZOTTO, MIRKO GELSOMINI, ALESSANDRO PAPPALARDO, CLAUDIO SANNA, ET AL.	Poster - CHI 2016
Monitoring and Adaptation in Smart Spaces for Disabled Children FRANCA GARZOTTO, MIRKO GELSOMINI, ALESSANDRO PAPPALARDO, CLAUDIO SANNA, ET AL.	Poster - AVI 2016
Wearable Immersive Storytelling for Disabled Children FRANCA GARZOTTO, MIRKO GELSOMINI, FRANCESCO CLASADONTE, DANIELE MONTESANO, DANIELE OCCHIUTO	Paper - AVI 2016
Dolphin Sam: A Smart Pet for Children with Intellectual Disability SIMONE COLOMBO, FRANCA GARZOTTO, MIRKO GELSOMINI, MATTIA MELLI	Paper - AVI 2016
Designing motion-based activities to engage students with autism in classroom settings ARPITA BHATTACHARYA, MIRKO GELSOMINI, GREGORY D. ABOWD, ET AL.	Paper - IDC 2015
Integrating Virtual Worlds and Mobile Robots in game based treatment for autistic children FRANCA GARZOTTO, MIRKO GELSOMINI	Book Chapter 2015
Franca Garzotto, Mirko Gelsomini PLAYFUL LEARNING IN SMART SPACES FOR CHILDREN WITH INTELLECTUAL DISABILITY	Workshop - CHIItaly 2015
Playful Supervised Smart Spaces (P3S): A framework for designing, implementing and deploying multisensory play experiences for children with special needs GIOVANNI AGOSTA, WILLIAM FORNACIARI, FRANCA GARZOTTO, MIRKO GELSOMINI, ET AL.	Paper - EUROMICRO DSD-SEAA 2015
Blending robots and full-body interaction with large screens for children with intellectual disability ANDREA BONARINI, FRANCESCO CLASADONTE, FRANCA GARZOTTO, AND MIRKO GELSOMINI.	Paper - IDC 2015
Motion-based touchless interaction for ASD children: a case study FRANCA GARZOTTO, MIRKO GELSOMINI, LUIGI OLIVETO, AND MATTEO VALORIANI	Paper - AVI 2014
Combining Touchless Interfaces, Robots, and Storytelling for ASD Children ANDREA BONARINI, FRANCA GARZOTTO, MIRKO GELSOMINI	Workshop - CHI 2014
Designing and evaluating touchless playful interaction for ASD children LAURA BARTOLI, FRANCA GARZOTTO, MIRKO GELSOMINI, LUIGI OLIVETO, ET AL.	Paper - IDC 2014
From desktop to touchless interfaces: a model based approach FRANCA GARZOTTO, MIRKO GELSOMINI, ROBERTO MANGANO, LUIGI OLIVETO, ET AL.	Paper - AVI 2014
Integrating human-robot and motion-based touchless interaction for children with intellectual disability ANDREA BONARINI, FRANCA GARZOTTO, MIRKO GELSOMINI, AND MATTEO VALORIANI	Paper - AVI 2014

Certifications

ielts - English Certificate

GRADE: 8/9 - C2 (FROM THE COMMON EUROPEAN FRAMEWORK OF REFERENCE FOR LANGUAGES)

Boston, USA

2016

Emergency Technical Technician

IN EMERGENCY SITUATIONS REGARDING MEDICAL ISSUES, TRAUMATIC INJURIES AND ACCIDENT SCENES

Croce Verde, Milan, ITA

2016

Adobe Creative Suite 5

PHOTOSHOP, ILLUSTRATOR, FIREWORKS, DREAMWEAVER, INDESIGN, AFTER EFFECTS

Espero, Milan, ITA

2011 and 2014

IOS Developer

OBJECTIVE-C

Espero, Milan, ITA

2012

A.C. Milan Security

LEGAL, PUBLIC ORDER, HEALTH, FIRE FIGHT, SOCIAL AND PSYCHOLOGICAL BEHAVIOR ASSISTANCE

Milan, ITA

2009

3D Studio Max, Maya, Cinema 4D

MODELING, LIGHTING AND RENDERING

Politecnico Milano, ITA

2008

European Computer Driving Licence (ECDL)

BASICS OF OFFICE SUITE PRODUCTS (WORD, EXCEL, POWERPOINT, ACCESS, OUTLOOK) + WINDOWS O.S.

Milan, ITA

2006

Programming Skills

★★★ Proficient

WEB HTML5, CSS3, JavaScript, Php, JQuery, Wordpress

NATIVE & Frameworks C#, Python, Arduino, ROS

API & SDK Google, Youtube, Microsoft Kinect

OS & SOFTWARES Windows OS, MS Office, Adobe After Effects, Adobe Fireworks

★★☆ Skilled

WEB Sql, Joomla

NATIVE & Frameworks C++, Java, Node Webkit, OpenSmile

API & SDK Facebook, Twitter, Phonegap, Dropbox

OS & SOFTWARES Linux, Unity, Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Blender, Sketchup

★☆☆ Work in progress

WEB AngularJS, NodeJS

NATIVE & Frameworks Android, Objective C, C

API & SDK LinkedIn, IBM Watson

OS & SOFTWARES Apple OS, Cinema 4D, 3D Studio Max, Maya

I expressly authorize the use of my personal and professional information listed in my curriculum.

