



# Daniele Pezzatini

## Curriculum Vitae

### Education

- 2016 **MSc in Computer Science Engineering**, *University of Florence*, Italy, 109/110.  
Advisors: Prof. Alberto Del Bimbo, Dr. Andrew Bagdanov  
Thesis: Sensing context and social behaviour in indoor environment
- In collaboration with the Computer Vision Center (CVC) of the Universitat Autònoma de Barcelona
- 2010 **BSc in Computer Science Engineering**, *University of Florence*, Italy, 103/110.  
Advisor: Prof. Alberto Del Bimbo  
Thesis: Multi-touch interface for semantic search of multimedia content
- 2004 **Diploma in Computer Science**, "*Antonio Meucci*" *Technical Institute*, Florence, Italy.

### Professional Experience

- 2010–2016 **Research fellow**, *Media Integration and Communication Center, University of Florence*, Italy.
- Natural user interfaces for health and cultural heritage;
  - 3D environments for education;
  - Mobile applications and ubiquitous computing;
  - Web interfaces for multimedia archives, social networks, semantic browsing;
  - Recommendation engines and user profiling systems.
- 2008–present **Web developer**, *freelance*.  
Development of interactive web applications for private customers or web agencies (e.g. MySpace Italia, Unit9, Provincia di Firenze, Rednoodles.)
- 2006–2012 **Technical help-desk**, *Infogroup S.P.A.*, Florence.  
Monitoring and help-desk support for financial ICT services.
- 2003 **Web developer**, *Space S.P.A.*, Prato.  
Internship in development of web solutions for cultural heritage.

### Teaching Experience

- 2012–2016 **Teaching Assistant**, *Multimedia Design and Production*.  
PHP programming, Web for mobile and Cross-Platform mobile development.  
*BSc in Computer Science Engineering, University of Florence*.

- 2016 **Teacher**, *Hybrid Mobile App Development*.  
Mobile app design and development with cross-platform tools.  
*Master in Interactive Media for Interior Design, IUAV - University of Venice.*
- 2012–2014 **Teacher**, *Rich Internet Applications*.  
Advanced HTML5 technologies for web applications, NodeJS and cross-platform mobile with PhoneGap.  
*Master in Multimedia Content Design, University of Florence.*
- 2011–2014 **Teacher**, *Server Side Development*.  
Course on PHP and MySQL programming for server side web development.  
*Master in Multimedia Content Design, University of Florence.*

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## Publication

### Journals

- 2014 *Personalized multimedia content delivery on an interactive table by passive observation of museum visitors*, S. Karaman, A.D. Bagdanov, L. Landucci, G. D'Amico, A. Ferracani, D. Pezzatini, A. Del Bimbo. *Multimedia Tools and Applications*. 2014.
- 2014 *Natural and virtual environments for the training of emergency medicine personnel*, A. Ferracani, D. Pezzatini, L. Seidenari, A. Del Bimbo. *Universal Access in the Information Society*. 2014.
- 2013 *Interactive multi-user video retrieval systems*, M. Bertini, A. Del Bimbo, A. Ferracani, L. Landucci, D. Pezzatini. *Multimedia tools and applications*. 2013

### Conferences

- 2015 *A System for Video Recommendation using Visual Saliency, Crowdsourced and Automatic Annotations*, A. Ferracani, D. Pezzatini, M. Bertini, S. Meucci, A. Del Bimbo. *Proceedings of the 2015 ACM Conference on Multimedia*
- 2015 *smArt: Open and Interactive Indoor Cultural Data* A. Ferracani, D. Pezzatini, A. Del Bimbo, R. Del Chiaro, F. Yang, M. Sanesi. *Proceedings of the 2015 ACM Conference on Multimedia*
- 2015 *PITAGORA: Recommending Users and Local Experts in an Airport Social Network* A. Ferracani, D. Pezzatini, A. Del Bimbo, A. Benericetti, M. Guiducci. *Proceedings of the 2015 ACM Conference on Multimedia*
- 2014 *A Natural and Immersive Virtual Interface for the Surgical Safety Checklist Training*, A. Ferracani, D. Pezzatini, A. Del Bimbo. *Proceedings of the 2014 ACM International Workshop on Serious Games*
- 2014 *User Profiling for Urban Computing: Enriching Social Network Trace Data*, A. Ferracani, D. Pezzatini, A. Del Bimbo. *Proceedings of the 3rd ACM Multimedia Workshop on Geotagging and Its Applications in Multimedia*
- 2014 *Loki+ Lire: a framework to create web-based multimedia search engines*, G. Becchi, M. Bertini, L. Cioni, A. Del Bimbo, A. Ferracani, D. Pezzatini, M. Lux *Proceedings of the 2014 ACM International Conference on Multimedia*

- 2014 *LiveCities: revealing the pulse of cities by location-based social networks venues and users analysis*, A. Del Bimbo, A. Ferracani, D. Pezzatini, F. D'Amato, M. Sereni. Proceedings of the companion publication of the 23rd international conference on World Wide Web
- 2013 *Flarty: recommending art routes using check-ins latent topics*, A. Del Bimbo, A. Ferracani, D. Pezzatini. Proceedings of the 21st ACM international conference on Multimedia
- 2013 *A novel framework for collaborative video recommendation, interest discovery and friendship suggestion based on semantic profiling*, M. Bertini, A. Del Bimbo, A. Ferracani, F. Gelli, D. Maddaluno, D. Pezzatini. Proceedings of the 21st ACM international conference on Multimedia
- 2013 *Socially-aware video recommendation using users' profiles and crowdsourced annotations*, M. Bertini, A. Del Bimbo, A. Ferracani, F. Gelli, D. Maddaluno, D. Pezzatini. Proceedings of the 2nd international workshop on Socially-aware multimedia
- 2012 *Indoor and outdoor profiling of users in multimedia installations*, G. D'Amico, A. Del Bimbo, A. Ferracani, L. Landucci, D. Pezzatini. Proc. of the 20th ACM international conference on Multimedia
- 2012 *Emergency medicine training with gesture driven interactive 3D simulations*, G. Bartoli, A. Del Bimbo, M. Faconti, A. Ferracani, V. Marini, D. Pezzatini, F. Zilleruelo. In Proceedings of the 2012 ACM workshop on User experience in e-learning and augmented technologies in education. ACM MM 2012
- 2012 *A social network for video annotation and discovery based on semantic profiling* M. Bertini, A. Del Bimbo, A. Ferracani, D. Pezzatini. Proc. of International World Wide Web Conference (WWW), Demo Session. 2012
- 2011 *RFID-based solutions for user profiling in interactive exhibits*, A. Del Bimbo, G. D'Amico, A. Ferracani, L. Landucci, D. Pezzatini, L. Santi. Proc. of IEEE International Symposium on Multimedia (ISM). 2011
- 2010 *MediaPick: Tangible Semantic Media Retrieval System*, G. D'Amico, A. Ferracani, L. Landucci, M. Mancini, D. Pezzatini, N. Torpei. Proc. of ACM International Conference on Multimedia 2010, Demo Session.

## Speaker Experience

- 2014 **ACM Multimedia 2014**, Workshop speaker, Open Source Software competition speaker. Orlando, USA.
- 2012 **ACM Multimedia 2012**, Workshop speaker, Demo Session, Poster Session. Nara, Japan.
- 2012 **WWW 2012**, Poster Session. Lyon, France.
- 2011 **ICME 2011**, Poster Session. Barcelona, Spain.
- 2011 **CBIR 2011**, Poster Session. Madrid, Spain.
- 2010 **Web Tech 2010**, Talk on "Abode AIR applications on multi-touch surfaces". Milan, Italy.
- 2010 **ACM Multimedia 2010**, Demo Session. Florence, Italy.

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## Grants and Acknowledgement

- 2013 Paper shortlisted for Best Demo Award during ACM Multimedia 2013
- 2012 Travel grant to attend ACM Multimedia 2012 in Nara, Japan
- 2010 Public appreciation of ACM (Association for Computing Machinery) for the technical support during the conference ACM Multimedia 2010

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## Computer skills

Web Programming	HTML, CSS, JavaScript, jQuery, CreateJs, PHP, Node.js, Java EE	Mobile Programming	PhoneGap for iOS and Android, jQuery Mobile
Programming Languages	Python, C# and WPF, Java, ActionScript, Flash/Flex	Knowledge management	SQL, XML, RDF and OWL
CMS	Wordpress, Joomla, Drupal	Familiar with	C/C++, MATLAB
Interactive technologies	MS Kinect, Oculus Rift, Leap Motion, Multitouch tabletop	3D Environments	Unity3D, WebGL
Graphic tools	Photoshop, Illustrator, Premiere		

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## Languages

Italian	<b>Mother Tongue</b>
English	<b>Advanced</b> , IELTS Certificate 7.5/9
Spanish	<b>Basic</b>

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## References

Prof. Alberto Del Bimbo  
Full professor at Univ. of Florence  
Director of Media Integration and Communication Center  
✉ alberto.delbimbo@unifi.it

Prof. Andrew David Bagdanov  
Associate professor at Univ. of Florence  
✉ andrewdavid.bagdanov@unifi.it

Prof. Marco Bertini  
Associate professor at Univ. of Florence  
✉ marco.bertini@unifi.it