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## SUMMARY

Caterina Antonopoulou was born in Athens, in 1982. She is a computer engineer and an interactive media designer and developer.

She holds a diploma in Electrical and Computer Engineering from the National Technical University of Athens (2006) and a master degree in Digital Arts from the Pompeu Fabra University of Barcelona (2009).

She currently collaborates with the Computer Technology Institute and Press 'Diophantus' as a developer and designer of interactive educational multimedia and developer of learning object metadata repositories for storage and retrieval of digital educational content.

Previously she was an adjunct lecturer at the Athens School of Fine Arts, giving lectures on the 'Development of Interactive Artworks' and an instructor of several seminars and workshops on the use of new media in the fields of art and education.

Meanwhile, she worked on the implementation of the 'Prefalll135' project with the support of the Phonos Foundation (Barcelona) and the Live Science Agency for Scientific and Technological Culture (Lisbon).

Her earlier professional collaborations include the 'Image, Video and Multimedia Systems Lab' of the National Technical University of Athens, the research group 'IVA' (Image and Video Analysis Group), the 'Center for Research & Technology Hellas', the 'Multimedia, Hypermedia and VideoArt Lab' of the Athens School of Fine Arts, and the 'Fornos - Center for Digital Culture'. She is a founder member of the art and technology collective 'Once upon a Byte'.

Her research interests, and professional practice include interactive installations, mainly using computer vision and physical interfaces, real-time audiovisual generation, algorithmic video, virtual reality, ubiquitous computing, web applications, personalized multimedia, metadata annotation and retrieval of digital content.

She has exhibited her work at international festivals and exhibitions and has received awards.

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## EDUCATION

2008-2009	<b>Master in Digital Arts, Pompeu Fabra University, Barcelona</b> Dissertation: 'Interactive installation of collaborative narrative' Development of an interactive audiovisual installation that permits users to influence the outcome of a narrative through a computer vision interface.
2000-2006	<b>Diploma in Electrical and Computer Engineering, National Technical University of Athens</b> Dissertation: 'Modeling and programming an interactive virtual world' Design, modeling and development of an online 3D virtual reality world, that represents a museum of contemporary art and permits users to navigate virtually throughout its exhibitions and dynamically retrieve information about the exhibits.

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## PROFESSIONAL EXPERIENCE

- 2011 - 2014 **Computer Technology Institute & Press 'Diophantus' (CTI), Athens**  
Collaborator of the 'Strategy and Digital Educational Content' Directorate.  
Designer and developer of interactive educational multimedia and web applications for the "Digital School" project.  
Developer of the national learning object metadata repository and the national aggregator of educational content and metadata 'Photodentro', in collaboration with the Greek Ministry of Education  
Details on the project:: <http://photodentro.edu.gr/lor/>
- 2011 - 2012 **Athens School of Fine Arts, Athens / Paris**  
Adjunct lecturer at the Master in Digital Arts and the undergraduate department, in the field of interactive artworks. Research associate at the 'Multimedia, Hypermedia and VideoArt Lab'  
Teaching associate at the French Erasmus Intensive Program "Research and collaborative artistic creation in multiuser virtual worlds" on behalf of the Athens School of Fine Arts.
- Fournos - Center for Digital Culture, Athens**  
Collaborator in the development of audiovisual cultural projects.  
Member of 'FournosLab' research group
- 2010 - 2012 **Prefall135 project, (Phonos Foundation of Barcelona & Live Science of Lisbon)**  
Implementation (concept, design and development) of the 'Prefall135' project, which consisted of the development of an interactive audiovisual installation and a series of related activities including workshops, exhibitions and residencies.  
With the support of the Phonos Foundation of Barcelona and the Live Science - National Agency for Scientific and Technological Culture of Lisbon.  
Details on the project:: <http://prefall135.wordpress.com/>
- 2009 - 2010 **'Once Upon a Byte' Art & Technology Collective, Barcelona**  
Developer of audiovisual installations, web applications and interactive multimedia.  
Organization of educational seminars, workshops and expositions.  
Details:: <http://www.onceuponabyte.com/>  
<http://peqpez.net/>
- 2007 - 2008 **Image, Video & Multimedia Systems Laboratory, National Technical University of Athens - Center for Research & Technology Hellas (CERTH)**  
Developer for RTD projects funded under the FP6, in the fields of computer vision, image analysis, semantics and knowledge extraction from multimedia content, digital content retrieval and personalized multimedia, in collaboration with the CERTH.  
Member of the research group IVA (Image and Video Analysis Group)
- 2006 - 2007 **BlueByte Software, Athens**  
Database designer and developer of graphical user interfaces for database administration.
- Quantum School, Athens**  
Professor of informatics for secondary and higher education students.

## TEACHING EXPERIENCE ..Selected Lectures, Workshops & Presentations

### Lectures

#### **Athens School of Fine Arts - Master in Digital Arts , Athens, 2011-2012**

Lectures on the development of interactive artworks

#### **Athens School of Fine Arts - 'Multimedia, Hypermedia & VideoArt' Lab , 2011-2012**

Lectures on the development of interactive artworks

#### **School of Architecture, National Technical University of Athens. May 2012**

Lecture on interactive interfaces at the 'Master in architectural design, space and culture'

#### **Technological Educational Institute of Athens & University of Limoges , 2010 - 2011**

Lectures on Interactive multimedia, during the course 'Audiovisual Production' of the 'Master in Informatics [Major::Web design & Multimedia Technologies, Image Composition & Computer Graphics]'

#### **University Paris 8. Paris, July 2011.**

Teaching associate at the Erasmus Intensive Program 'Research and collaborative artistic creation in multiuser virtual worlds' on behalf of the Athens School of Fine Arts

Participating Universities: University Paris 8, Athens School of Fine Arts, Polytechnic University of Valencia, University of Goldsmiths, University of Hull

#### **Delphi Annex of Athens School of Fine Arts. Delphi, July 2010**

Teaching associate at the Erasmus Intensive Program 'Research and collaborative artistic creation in multiuser virtual worlds' on behalf of the Athens School of Fine Arts

### Workshops

#### **Frown Tails. Athens, May 2014**

Workshop on Interactive installations and performances using computer vision

#### **Arcade of Merchants. Athens, May 2014**

Workshop 'Interactive interfaces using Arduino'

#### **Open Discovery Space. Athens, June 2013**

Workshop on 'Open digital resources in education & school Innovation' on behalf of Computer Technology Institute 'Diophantus'

#### **The Art Foundation. Athens, May 2012**

Workshop on introduction on interactive artworks during the group exhibition 'Things'

#### **Primary School of Acropolis. Athens, June 2011**

Creative workshop on the development of an interactive theatrical play with the students of the primary school.

#### **Fabra i Coats, Art Factory. Barcelona, January 2009**

Workshop on 'Interactive installations'

#### **Medialab-Prado. Madrid, October 2008**

Workshop 'Hello world'. Collaborator in the development and presentation of the project 'Adaptable Projections'

### Presentations

#### **Frown Tails. Athens, April 2014**

Presentation of the 'Prefall1135' project during the 'Arduino Day'

#### **ZZZINC – Cultural Research & Innovation, Barcelona, February 2012**

Presentation of the 'Prefall1135' project during the 'OpenFrameworks community meeting'

## FESTIVALS & EXHIBITIONS

### **Onassis Cultural Centre. Athens, October 2014**

Exhibition of the project 'Memory Containers'

### **'Koumaria 2014', Olive processing plant. Sellasia, Sparta, October 2014**

Exhibition of the project 'Memory Containers'

### **4th Dance Days Festival . Chania, Crete. July 2014**

Exhibition of the project 'Full Moon'

### **Athens & Epidaurus Festival. Athens, June 2014**

Exhibition of the project 'Memorandum Video Installation', as part of the 'Memorandum' performance by amorphy.org

### **'Traces of Commerce', Arcade of Merchants. Athens, June 2014**

Exhibition of the project 'Arcade Dearchived'

### **4th Athens Video Dance Project. Athens, February 2014**

Exhibition of the projects 'Full Moon' & 'React#2'

### **Quasi studio, '3+1 nights of improvisation'. Athens, February 2013**

Exhibition of the project 'React#1'

### **14th Athens International Comics Festival. Athens, November 2012**

Exhibition of the project 'Mirror Mirror'

### **Sónar,19th International Festival of Advanced Music and New Media Art. Barcelona, Jun'12**

Exhibition of the project 'Prefalll135'

### **Phonos Foundation - 'Fabra i Coats' Creative Factory. Barcelona, April 2012**

Exhibition of the project 'Prefalll135'

### **The Art Foundation (TAF) - Group Exhibition 'Things'. Athens, March 2012**

Exhibition of the projects 'EyesII' and 'Mirror Mirror'

### **Pavilion of Knowledge. Lisbon, February 2012**

Exhibition of the project 'Prefalll135'

### **'Creative algorithms' Group Exhibition. Lisbon, October 2011**

Exhibition of the project 'Prefalll135'

### **'Fornos' Center for Digital Culture - 'Experimental Narratives #2' Exhibition . Athens, 2011**

Exhibition of the project 'Babel'

### **OFF Europes Festival. Barcelona, November 2010**

Exhibition of the project 'Babel'

### **'Golferichs' Center. Barcelona, November 2010**

Exhibition of the project 'Babel'

### **'Fabra i Coats' Creative Factory - Group Exhibition of Resident Artists. Barcelona, May 2010**

Exhibition of the project 'Serially Killed'

### **Moving Frames Festival. Lesvos island, September 2011**

Exhibition of the project 'Eyes II'

### **Fabrica Utopia. Andros Island, 2014**

Screening of the video 'Black & White', commissioned by Miden Festival

### **CAMP (Contemporary Art Meeting point), 'Back to Athens'. Athens, 2013**

Screening of the video 'Black & White', commissioned by Miden Festival

### **Circuito Electrovisiones Festival. Mexico DF, June 2011**

Screening of the videos '[De]construction', 'Black & White' and 'La distancia de la luna'.

### **Miden Festival. Kalamata, July 2011**

Screening of the video 'Black and White'.

### **Baumman Festival. Terrassa, September 2010**

Screening of the video 'Black and White'.

### **Liminal GR. Barcelona, July 2010**

Screening of the videos '[De]construction', 'Black & White' and 'La distancia de la luna'.

### **Mediateca, Caixa Forum. Barcelona, June 2010**

Screening of the videos '[De]construction', 'Black & White' and 'La distancia de la luna'.

### **Athens Video Art Festival - International Festival of Digital Arts. Athens, May 2010**

Screening of the video '[De]construction'.

### **JAMM Festival. Barcelona, May 2009**

Screening of the video '[De]construction'.

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## LANGUAGES

Greek	Native
English	Proficient User (Level C2) <b>University of Cambridge</b> - Certificate of Proficiency in English (1998)
Spanish	Proficient User (Level C2) <b>Cervantes Institute</b> - Diploma of Spanish as a foreign language DELE C2 (2010)

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## COMPUTER SKILLS

Programming & Development	<b>General purpose programming languages::</b> C/ C++, Processing, ActionScript, Java <b>Web::</b> JSP, JavaScript/JQuery, PHP, HTML/HTML5, CSS <b>RDBMS::</b> mySQL, PostgreSQL. <b>Virtual Reality::</b> Torque Game Engine, Virtools, 3D Unity. <b>CMS::</b> Drupal, Joomla, Wordpress. <b>Digital Content Repositories::</b> DSpace.
Hardware	Arduino platform & sensors / actuators, Kinect, PS3 Eye & web cams, handheld devices running Android
Software	<b>Office::</b> Microsoft Office, LibreOffice, OpenOffice <b>Image Editing::</b> Adobe Creative Suite (Flash, Photoshop, Premiere, After Effects, Illustrator, InDesign, Dreamweaver), GIMP, OpenShot <b>3D Modeling / Animation::</b> MS3D, CharacterFX, Animata. <b>Sound Editing::</b> Vegas, SoundForge, Audacity <b>Computer Vision::</b> Reactivision, CCV, EyesWeb.

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## ADDITIONAL STUDIES

2014	<b>Art &amp; Inquiry. Museum teaching strategies for your classroom, MOMA (online course)</b> Statement of Accomplishment of the online course by coursera.org
2014	<b>Creative, Serious and Playful Science of Android Apps, University of Illinois (online course)</b> Statement of Accomplishment of the online course by coursera.org
2007	<b>Faculty of Fine Arts, Aristotle University of Thessaloniki</b> One year studies at the School of Film Studies
2005	<b>Technical University of Catalonia, Barcelona</b> One semester studies at the School of Informatics

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## AWARDS

2011	<b>Phonos Foundation, Barcelona</b> Creation Grant 2011 for the audiovisual interactive installation 'Prefall135'
2010	<b>'Fabra i Coats' Creation Factory, Barcelona</b> Resident Artist 2010 as a member of the 'Once Upon a Byte' collective
2009	<b>Cultural Center 'Golferichs', Barcelona</b> 1st award of audiovisual creation 2009 for the interactive installation 'Babel'