

Waldir Pimenta – Curriculum Vitae

Personal Information




Name: Waldir Pimenta
Date of birth: 16 February 1986
Citizenship: [Cape Verde](#) and Portugal
Address: Rua da Universidade nº 48, hab. 303 / 4710-057 Braga, Portugal
Mobile phone: (+351) 93 5890 488
Email: waldir.pimenta@gmail.com
LinkedIn profile: [linkedin.com/in/waldir](https://www.linkedin.com/in/waldir)

Skills and Competencies




Driver's license: Class B (passenger vehicles)
Languages: Portuguese (native), English (fluent), Spanish (intermediate)
Certifications: Pedagogical Competences Certificate (CCP/CAP) n. F614065/2013
Skills: programming, 3D modeling/animation, photo/audio/video editing, vector illustration
Proficient in: MediaWiki, HTML, JavaScript, CSS, SVG, RegEx
Familiar with: git, OpenGL, OpenCV, Qt, Linux, PHP, SQL, LaTeX, C/C++/C#, Python, Julia

Education




PhD in [Computer-generated holography](#) (*ongoing*)

 Minho University (www.uminho.pt) | Braga, Portugal
 Feb/2011 → present
 Thesis: Exploiting Coherence in Rendering for Computer Generated Holography

Master of Computer Science in Computer Graphics and Artificial Intelligence




 Minho University (www.uminho.pt) | Braga, Portugal
 Oct/2008 → Dec/2010 (2 years, 2 months)
 Thesis: [Face recognition using 3D structural geometry of rigid features extracted from 2D images](#)

Bachelor of Computer Science in Computer Graphics and Multimedia




 Polytechnic Institute of Viana do Castelo (www.ipv.pt) | Viana do Castelo, Portugal
 Sep/2004 → Mar/2008 (3 years, 7 months)
 Final project: C# image processing software to convert raster topographic maps to SVG

Professional Experience




Software developer (Erasmus internship)

 Vicomtech (www.vicomtech.es) | Donostia-San Sebastián, Spain
 Mar/2010 → Oct/2010 (8 months)
 Developed a face recognition application in C++ using Qt and OpenCV

Augmented Reality (AR) developer



 CCG – Computer Graphics Center (www.ccg.pt) | Guimarães, Portugal
 Jul/2009 → Jan/2010 (7 months)
 3D modeling/animation; built Augmented Reality application in Virtools

Web developer (part-time)




 Ruiiur (www.ruiiur.pt) | Porto, Portugal
 Nov/2008 → May/2010 (1 year, 7 months)
 Website development: HTML, CSS, Javascript

Publications




Efficient generic face model fitting to images and videos

-  L. Unzueta, W. Pimenta, J. Goenetxea, L. P. Santos, F. Dornaika (2014)
-  Image and Vision Computing 32 (5), 321-334.




An intuitive navigation system: Augmented Reality on the car windshield

-  W. Pimenta (2012)
-  20º Encontro Português de Computação Gráfica (EPCG)
-  Viana do Castelo, Portugal (presented in the conference)




A comprehensive taxonomy for three-dimensional displays

-  W. Pimenta, L. P. Santos (2012)
-  20th International Conference on Computer Graphics, Visualization and Computer Vision (WSCG)
-  Plzeň, Czech Republic (presented in the conference)

Using Augmented Reality virtual assistants to teach the traditional leather tanning process

-  E. Carvalho, G. Mações, W. Pimenta (2011)
-  6ª Conferência Ibérica de Sistemas e Tecnologias de Informação (CISTI)
-  Chaves, Portugal

Face recognition using 3D structural geometry of rigid features extracted from 2D images

-  W. Pimenta (2010)
-  Master's thesis — Minho University
-  Braga, Portugal

Awards and Achievements

- 2011: [2nd place](#) scientific award, [Fraunhofer Portugal Challenge](#)
- 2004: Winner of public contest for the coat of arms of the Paul municipality, Cape Verde
- 2004: Athlete of the Year award by the City Hall of Mindelo, Cape Verde
- 2003: Gold medal (male junior kata) in the 13th [World Koshiki Karate-dō Championship](#), Lisbon, Portugal.
- 2003: Winner of public contest for the coat of arms of the Sal municipality, Cape Verde

Projects and Activities

Groups and organizations

- [Rendimento Básico Portugal](#): Co-founder (2013), technical lead, meetings coordinator.
- [Wikimedia Portugal](#): Co-founder, president, member of the board (2009 — present).
- Member of the Permanent Commission of the Pedagogical Council of IPVC (2007)
- President or board member of various student's unions (2001 to 2008).

Participation in events

- Wikimedia Hackathon 2012 (Berlin), 2013 (Amsterdam), 2014 (Zurich)
- Wikimania 2007 (Taiwan), 2010 (Poland), 2011 (Israel), 2013 (Hong Kong)
- TEDxOPorto ([2011](#)), TEDxYouthBraga ([2011](#)), TEDxVianadoCastelo ([2013](#))
- [Sapo Codebits](#) IV (2010), V (2011). Lisbon, Portugal.
- [JCGM Conference](#) III (2005), IV (2006) V (2007), X (2012). Viana do Castelo, Portugal.
- 10º Aniversário da Wikipédia, 15 Jan 2011. Instituto Superior Técnico (IST), Lisbon, Portugal.

Writing

- Mar/2002 → Dec/2011 (approx. 10 years): [Columnist](#) in the Cape Verdean magazine [Artiletra](#).