

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
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- **LinkedIn profile:** [linkedin.com/in/waldir](https://www.linkedin.com/in/waldir)
- **Website:** <http://wald.ir>

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.ipvc.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, 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](#).