

Waldir Pimenta — Curriculum Vitae

Personal Information

Name: Waldir Pimenta

Date of birth: 16 February 1986

Citizenship: Cape Verde and Portugal

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Website: www.waldirpimenta.com

Skills and Competencies

Skills: Programming, 3D modeling/animation, vector illustration

Tools (graphics): OpenGL, OpenCV, Qt, VTK, (X)HTML/JavaScript/CSS, SVG

Tools (other): Git, Linux, PHP, SQL, LaTeX, C/C++/C#, Python, Julia

Certifications: Pedagogical Competences Certificate (CCP/CAP) n. F614065/2013

Education

PhD in [Computer-generated holography](#)

 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](#)


 Final grade: 17 out of 20 ([equivalent](#) to an A grade)

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

 Final grade: 16 out of 20 ([equivalent](#) to an A grade)

Professional Experience

Software developer

 PeekMed (www.peekmed.com) | Braga, Portugal

 Oct/2015 → present

 Worked on a 3D surgical planning application based on DICOM medical imaging

Software developer (Erasmus internship)


 Vicomtech (www.vicomtech.es) | Donostia-San Sebastián, Spain

 Mar/2010 → Oct/2010 (8 months)

 Developed a 3D 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

Selected Publications

Efficient generic face model fitting to images and videos ^[Jr]


 L. Unzueta, W. Pimenta, J. Goenetxea, L. P. Santos, F. Dornaika (2014)

 Image and Vision Computing 32 (5), 321-334.

A comprehensive taxonomy for three-dimensional displays ^[Cf]

 W. Pimenta, L. P. Santos (2012)

 WSCG 2012

 Plzeň, Czech Republic (presented in the conference)

Face recognition using 3D geometry of rigid features extracted from 2D images ^[Th]

 W. Pimenta (2010)

 Master's thesis — Minho University

 Braga, Portugal

[Jr]: Journal article; [Cf]: Conference article; [Ps]: Poster; [Th]: Thesis

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

Writing

- Feb/2005 → present: Volunteer editor on [Wikipedia](#).
- Mar/2002 → Dec/2011 (approx. 10 years): [Columnist](#) in the Cape Verdean magazine [Artiletra](#).

Updated: May 2017