

Waldir Pimenta – Curriculum Vitae

PERSONAL INFORMATION

Name: Waldir Spencer Pimenta Lima
Date of birth: 16 February 1986
Citizenship: Cape Verde and Portugal
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SKILLS AND COMPETENCIES

Driver's license: Class B (passenger vehicles), since April 2005
Languages: Portuguese (fluent), English (fluent), Spanish (intermediate)
Certifications: Pedagogical Competences Certificate (CCP/CAP) n. F614065/2013
Skills: 3D modeling/animation, photo/video editing, audio processing, vector illustration
Proficient in: MediaWiki, regex, HTML, JavaScript, CSS, SVG
Familiar with: git, subversion, OpenGL, OpenCV, Qt, Linux, regex, PHP, SQL, LaTeX, C/C++/C#, Python, Julia

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

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 Vrttools

Web developer (part-time)

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

System administrator

- 🏠 Amado & Medina law firm | Espargos, Cape Verde
- 🕒 Jul/2007 → Aug/2007 (summer job)
- 🔧 Network configuration, and administration; computer maintenance

Web and graphic designer

- 🏠 Sal island's City Hall (www.municipiodosal.cv) | Espargos, Cape Verde
- 🕒 Jul/2005 → Aug/2005 (summer job)
- 🔧 Web and graphic design; trainer of introductory courses in CorelDRAW and Microsoft Publisher

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, Lisboa)

Writing

- Mar/2002 → Dec/2011: Columnist in the Cape Verdean magazine Artiletra