

## João Pedro Antunes Pequeno

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## Personal Data

<b>Name</b>	<b>João Pedro Antunes Pequeno</b>
<b>Birth Date</b>	15 August 1975
<b>Education</b>	Graduation in Physics, University of Lisbon
<b>Nationality</b>	Portuguese

## Technical Skills

<b>Programming</b>	C/C++, FORTRAN, BASIC, JAVA, HTML, VRML, PHP
<b>Graphics</b>	3D Animation and Modeling Packages (3DSMax, Maya, etc.), Video Editing (Premiere, MainActor, Avid), Flash (Macromedia Flash, Adobe LiveMotion, Swish), Vectorial Drawing (Illustrator, XaraX), Image Manipulation (Photoshop, Gimp), AutoCAD, Desktop Editing (PageMaker, QuarkXpress)
<b>Others</b>	Piano Studies over 8 years, soundscoring, webdesign

## Languages

<b>Portuguese</b>	Excellent, written and spoken
<b>English</b>	Very good, written and spoken
<b>French</b>	Good written, very good spoken
<b>Spanish</b>	Good written and spoken
<b>Russian</b>	Basic spoken

## Profile

	Ability to grasp new ideas and integrate them into desired results. Used to handle challenges, with proven history of increased productivity. Easy understanding and resolution of technical problems. Self-motivated, hard-working individual. Works efficiently under pressure. Well developed skills in a broad range of emerging technologies.
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## Work Experience

• August 2006	Concluded the DVD version of the animations which are now included in the new official ATLAS DVD. Also concluded the first phase of a new project under development, which will use interactive 3D visualization technologies to explore the ATLAS detector, load real and simulated events and do interactive analysis.
• July 2006	Concluded the second of a series of three animations for ATLAS outreach. This work is called “ <i>Episode II – The Particles Strike Back</i> ” and shows how particles interact with the different parts of the ATLAS detector. Both <i>Episode I</i> and <i>Episode II</i> have also a 3D stereoscopic version.
• November 2004	Concluded the first of a series of three animations for ATLAS outreach. This work is called “ <i>Episode I – A New Hope</i> ” and features an introduction to the structure of the ATLAS detector and its assembly.
• April 2004 to Present	Hired by the <i>Santa Cruz Institute of Particle Physics</i> as <i>Associate Specialist Step 4</i> . Guest Specialist at the <i>Lawrence Berkeley National Laboratory</i> . At this position, produces a wide range of multimedia outreach materials for the ATLAS Experiment.
• October 2003 to March 2004	Production of the final version of the documentary “ <i>Portugal in Tilecal</i> ”, about the Portuguese involvement in the Hadronic Calorimeter of the ATLAS detector
• August 2003 to November 2003	Production of a small animation introducing the functional parts of the ATLAS detector.
• July 2003 to November 2003	Production of a short movie about the Portuguese involvement in the ATLAS Tile Calorimeter. It is the second of a series of two, named “ <i>Portugal in Tilecal</i> ”, and this part is about “ <i>The Aluminisation of WLS Optical Fibers</i> ”
• February 2003 to July 2003	Production of a 14' animation showing the assembly of the ATLAS detector with big detail. This job was ordered by the ATLAS Technical Coordination, for technical exhibition purposes. ( <a href="http://atlas.web.cern.ch/Atlas/TCOORD/Activities/Installation/film.htm">http://atlas.web.cern.ch/Atlas/TCOORD/Activities/Installation/film.htm</a> )
• September 2002 to February 2003	Conclusion of the first version of a short movie about the Portuguese involvement in the ATLAS Tile Calorimeter. It is the second of a series of two, named “ <i>Portugal in Tilecal</i> ”, and this part is about “ <i>The Insertion of WLS Optical Fibers inside Profiles</i> ”
• June 2002 to March 2004	Research Associate at L.I.P, the Laboratory of Particle Research in Lisbon ( <a href="http://www.lip.pt">www.lip.pt</a> )
• November 2001 to June 2002	Production of a 3D animation on the assembly of the ATLAS detector, intended for outreach purposes.
• July 2001	Started a project for the Science Museum of Lisbon and APIFARMA (the Portuguese Association of Pharmacology Industry), where the “ <i>Laboratório Chimico</i> ”, the oldest Chemistry Laboratory in Europe, is simulated in a 3D video, showing the way it was 200 years ago.
• February 2001	Worked on the graphic layout and IT support of the exhibition “ <i>Rómulo de Carvalho – Pedra Filosofal</i> ”, held by the Science Museum of the University of Lisbon from April to September 2001 ( <a href="http://www.mc.ul.pt/pedrafilosofal">http://www.mc.ul.pt/pedrafilosofal</a> )
• November 2000	Author of a 3D movie, which was part of the Portuguese presentation at CERN’s fair “ <i>Physics on Stage</i> ” ( <a href="http://www.cern.ch/pos/">http://www.cern.ch/pos/</a> ). Its subject is “ <i>The Birth, Life and Death of a Particle</i> ”

• August 2000	Layout artist for “ <i>Museologia</i> ”, an international journal of museology ( <a href="http://www.mc.ul.pt/museologia/">http://www.mc.ul.pt/museologia/</a> )
• July 2000	Trained a production team on advanced 3D modeling, texturing and optimization techniques with 3D Studio Max for ”Soexporta Lda.”, a software development company specialized in 3D environments for architecture.
• April 2000	Coordinator of the Portuguese <i>Content and Technology Team</i> for project <i>Bionet</i> ( <a href="http://www.ecsite.net/bionet/index.htm">http://www.ecsite.net/bionet/index.htm</a> ), a digital exhibition on life sciences. This project is hosted by the <i>European Collaborative on Science, Industry and Technology Exhibitions (ECSITE)</i> and did run until 2004
• April 2000	Responsible for the technical support of the “ <i>ESO-VLT</i> ” meeting, held in Lisbon, under the theme “ <i>Portuguese Astrophysical Research for the VLT Era</i> ”
• October 1999 to September 2001	Computer Systems Administrator and responsible for maintenance at the Science Museum of the University of Lisbon ( <a href="http://www.mc.ul.pt">http://www.mc.ul.pt</a> )
• 1999	Author of a 3D Movie “ <i>Determination of the mean life of the muon</i> ” for CERN’s Exhibition at the Science Museum “ <i><math>E=mc^2</math></i> ”
• 1995 to 1998	Layout artist for the university student’s magazine “ <i>Improp</i> ” ( <a href="http://www.aefcl.fc.ul.pt/informativa/improp/index.html">http://www.aefcl.fc.ul.pt/informativa/improp/index.html</a> )
• 1995 to 1998	Computer Systems Administrator for the Students Union of the Faculty of Sciences, University of Lisbon

## Other Activities

• 2000	Elected by the students of the Faculty of Sciences as member of the <i>Supervising Council</i>
• 1999	Exhibition guide at the CERN’s Exhibition “ <i><math>E=mc^2</math></i> ” held at the Science Museum in Lisbon
• 1998	Personnel’s checking officer at Expo’98 (1998’s World Exhibition in Lisbon). Promotion after two months as coordinator of his earlier team
• 1997	Exhibition guide at <i>Fundação Calouste Gulbenkian</i> , for the “ <i>Ingenuity and Art</i> ” Exhibition, a historic approach to the Portuguese scientific instrumentation in the XVIII <sup>th</sup> century
• August 1996	Surveyor at the Natural Reserve of Berlenga Island collaborating with the ornithologists’ team and the lizard research group
• 1996 to 1998	Elected for the Senate at the University of Lisbon
• 1995 to 1998	Elected as Member of the Representatives Assembly at the Faculty of Sciences, University of Lisbon
• 1994 to 1998	Elected as Directive Member of the Students Union of the Faculty of Sciences, University of Lisbon ( <a href="http://www.aefcl.fc.ul.pt">http://www.aefcl.fc.ul.pt</a> )

## Hobbies

Music	Classical concerts, playing piano, composing, world music.
Sports	Judo (Brown Belt), Kayaking, Jiu-Jitsu, Chess.
Others	Hiking, backpacking, computer games, biking, reading, history.