

Vasco Hugo Vinhas Gonçalves Moreira

Curriculum Vitae

September 2012

Vasco Vinhas Moreira

Rua da Torrinha 281-1º, 4050-612, Porto, Portugal

+351 91 915 57 57

vascovinhas@gmail.com

Personal

Information

| | |
|--------------------------------|---|
| Name | Vasco Hugo Vinhas Gonçalves Moreira |
| Sex | Male |
| Address | Rua da Torrinha 281-1º, 4050-612, Porto, Portugal |
| Phone (Primary) | +351 91 615 57 57 |
| Phone (Secondary) | +351 22 609 38 61 |
| E-Mail | vascovinhas@gmail.com |
| Homepage | http://www.linkedin.com/in/vascovinhas |
| Date and Place of Birth | 21-09-1983, Cedofeita, Porto, Portugal |
| Nationality | Portuguese |
| Marital Status | Married |
| Driving License | Portuguese driving license. Category B vehicle. |

Education

High School

Colégio Liverpool, Porto

Completed: July 2001

- Completed first two years of Area 3 – **Economics** – with final classification of **19** – out of 20.
- Asked transfer to Area 1 – **Sciences** – with final classification of **20** – out of 20.
- Most significant **national exams classifications** – out of 200:
 - Physics: 200
 - Chemistry: 200
 - Mathematics: 195
 - Biology: 185
- **University access classification: 198.8** out of 200.

University

Faculty of Engineering of University of Porto - FEUP

Bachelor of Science, Informatics and Computing Engineering – five year course.

Completed: October 2006

- **Final classification:** 18.95 – out of 20.
- Most significant **classifications** – out of 20:

| | |
|--------------------------|----|
| Mathematical Analysis I | 19 |
| Mathematical Analysis II | 19 |
| Algebra | 19 |
| Programming I | 19 |
| Programming II | 19 |
| Circuits and Systems I | 19 |
| Circuits and Systems II | 19 |

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| | | |
|------------------|---|----|
| Education | Digital Electronics | 19 |
| | Communication Techniques and Functional English | 18 |
| | Computer Architectures | 19 |
| | Digital Systems | 20 |
| | Experimental Physics | 18 |
| | Electromagnetism | 20 |
| | Numerical Analysis | 18 |
| | Algorithms and Data Structures I | 19 |
| | Algorithms and Data Structures II | 19 |
| | Microprocessors and Microcomputers | 19 |
| | Communications | 19 |
| | Graphical Computation and Interfaces | 19 |
| | Statistics | 19 |
| | Computer Laboratory | 19 |
| | Computational Logic | 19 |
| | Operational Investigation | 19 |
| | Databases | 18 |
| | Logic Programming | 20 |
| | Operating Systems | 18 |
| | Software Applications Laboratory | 19 |
| | Computability and Formal Languages | 19 |
| | Artificial Intelligence | 19 |
| | Databases Laboratory | 19 |
| | Software Engineering | 18 |
| | Data Communication Networks | 19 |
| | Enterprise Management | 18 |
| | Distributed Systems | 18 |
| | Agents and Distributed Artificial Intelligence | 18 |
| | Software Engineering Laboratory | 19 |
| | Organizational Information Systems | 19 |
| | Intelligent Robotics | 19 |
| | Multimedia and New Services | 20 |
| | Virtual and Augmented Reality | 18 |
| | Compilers | 18 |
| | Project Management Laboratory | 19 |
| | Seminars | 19 |
| | Computer Advanced Architectures | 19 |
| | Data Warehouses | 19 |
| | Database Technologies | 18 |
| | Annotation Languages and Document Processing | 19 |
| | Internship | 20 |

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Education

- Most significant **projects and classifications** – out of 20
 - Daniel Castro Silva, Pedro Cunha Abreu, Pedro Correia Mendes and Vasco Vinhas Moreira – AIBO Hazard – and the crime is committed – an interactive movie, FEUP, June 2005 (Multimedia and New Services, 19)
 - Daniel Castro Silva and Vasco Vinhas Moreira – Virtual Naval Battle – an implementation of the game using Virtual Reality software, FEUP, June 2005 (Virtual and Augmented Reality, 18)
 - Daniel Castro Silva and Vasco Vinhas Moreira – ERS-210 Mobile Video Surveillance System, FEUP, June 2005 (Intelligent Robotics, 19)
 - Daniel Castro Silva e Vasco Vinhas Moreira – Stiletto Compiler, FEUP, June 2005 (Compilers, 18)
 - Daniel Castro Silva, Pedro Cunha Abreu, Pedro Correia Mendes and Vasco Vinhas Moreira – Miidle – an e-learning system, FEUP, December 2004 (Software Engineering Laboratory, 19)
 - Daniel Castro Silva and Vasco Vinhas Moreira – Artificial Life Simulation, FEUP, December 2004 (Agents and Distributed Artificial Intelligence, 18)
 - Vasco Vinhas Moreira et al – Galp – an analysis of the impact of the use of new technologies in management, FEUP, November 2004 (Enterprise Management, 19)
 - Daniel Castro Silva and Vasco Vinhas Moreira – CM@FEUP – an Information System, FEUP, June 2004 (Databases Laboratory, 19)
 - Daniel Castro Silva and Vasco Vinhas Moreira – Formation Detection in Simulated Soccer using Neural Networks, FEUP, June 2004 (Artificial Intelligence, 19)
 - Daniel Castro Silva, Pedro Côrte-Real and Vasco Vinhas Moreira – The Duchess Dilemma – an analysis and solution to the problem, FEUP, May 2004 (Operational Investigation, 19)
 - Daniel Castro Silva and Vasco Vinhas Moreira – Schedule Generator using constraints, FEUP, December 2003 (Logic Programming, 20)
 - Daniel Castro Silva and Vasco Vinhas Moreira – Quarto – a 3D interface to the game, FEUP, December 2003 (Software Applications Laboratory, 20)
 - Daniel Castro Silva and Vasco Vinhas Moreira – Quarto – an implementation of the game, FEUP, November 2003 (Logic Programming, 20)
 - Daniel Castro Silva and Vasco Vinhas Moreira – a 3D scene using OpenGL software, FEUP, December 2003 (Software Applications Laboratory, 20)
-

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Education

- Daniel Castro Silva and Vasco Vinhas Moreira – 3D Editor – a 3D drawing software, FEUP, June 2003 (Graphical Computation and Interfaces, 20)
- Daniel Castro Silva and Vasco Vinhas Moreira – Paint 1.0 – a drawing software, FEUP, March 2003 (Graphical Computation and Interfaces, 19)
- Daniel Castro Silva e Vasco Vinhas Moreira –Polinomial Calculator, FEUP, December 2002 (Algorithms and Data Structures I, 19)

PhD

Faculty of Engineering of University of Porto – FEUP – on a FCT Doctoral Grant.

Completed: October 2010 with Honors (Highest Distinction)

Curricular Programme

| | |
|--|----|
| Methodologies in Scientific Investigation | 18 |
| Descrição, Armazenamento, Pesquisa de Informação | 19 |
| Knowledge Extraction | 19 |
| Software Engineering Investigation Topics | 18 |
| Investigation and Planning | 18 |
| Metodologias de Planeamento e Escalonamento | 18 |
| Electronic Business Technologies | 18 |

The Fundação para a Ciência ea Tecnologia is the Portuguese government body responsible for financing and evaluating the national scientific program.

Thesis

Realtime Dynamic Multimedia Storyline Based on Online Audience Biometric Information

Vasco Vinhas Moreira
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Employment History

Dates

- From September 2004 to November 2004 & from September 2005 to November 2005

Occupation or position held

- Mathematics teacher.

Main activities and responsibilities

- Taught high school level mathematics to first year students.

Name and address of employer

- FEUP, Rua Dr. Roberto Frias, s/n 4200-465 Porto, Portugal.

Type of business or sector

- Education Sector

Participation in the 3 month MAFIQUI program promoted by FEUP. The main goals are to ensure high school level knowledge in mathematics, chemistry and physics to new students as well as to promote social interaction and integration.

Dates

- From March 2006 to August 2006.

Occupation or position held

- Software Engineer.

Main activities and responsibilities

- Requirements collection, system specification, test and development supervision.

Name and address of employer

- Qimonda Portugal, S.A. Avenida 1º de Maio 801, 4480 Vila do Conde, Portugal.

Type of business or sector

- Semiconductor

Dates

- From September 2006 until September 2008.

Occupation or position held

- Invited Assistant Professor.

Courses

- Databases
- Information Systems
- Discrete Mathematics
- Programming

Name and address of employer

- FEUP, Rua Dr. Roberto Frias, s/n 4200-465 Porto, Portugal..

Type of business or sector

- Education sector
-

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Employment History

Dates

- From September 2006 until present moment.

Occupation or position held

- Researcher at LIACC – Computer Science and Artificial Intelligence Laboratory.

Main activities and responsibilities

- Emotional Classification and Affective Computing Research.

Name and address of employer

- LIACC, Rua Dr. Roberto Frias, s/n 4200-465 Porto, Portugal.

Type of business or sector

- IT Research & Education sector

Dates

- From October 2010 until present moment.

Occupation or position held

- CEO and Co-Founder at EZ4U.

Main activities and responsibilities

- Telecommunications Cost Reduction Consultancy & IT Project Management

Name and address of employer

- Rua Guerra Junqueiro 417, 4150-389 Porto, Portugal.
www.ez4uteam.com

Type of business or sector

- Consultancy & IT Services

EZ4U achieved to help more than 50 clients in Portugal while successfully conducted its internationalization process to Chile with a grant from the Chilean Government under the StartUp Chile Program.

Dates

- From June 2012 until present moment.

Occupation or position held

- Co-Founder and Member of the Board at Masstige SpA.

Main activities and responsibilities

- Project Manager & Algorithm Design for Real-Time Location Aware Mobile Technology. Client-Specific Business Intelligence Metrics and Applications.

Name and address of employer

- Centro Movistar Innova – Av. Providencia 229, Santiago, Chile.
www.masstigeapp.com

Type of business or sector

- IT & Mobile

Masstige Project has been funded by Wayra Chile, Telefonica's Acceleration Program.

Awards

Faculty Awards

- Merit Distinction
 - 2001/2002 – 3rd overall, best of course.
 - 2002/2003 – 2nd overall, best of course.
 - 2003/2004 – 3rd overall, best of course.
 - 2004/2004 – 1st overall, best of course.
- Graduation Day – Ed. 2007
 - CPSIS SGPS Award
 - Best of course
 - Qimonda Award
 - Best of course
 - Fundação Engº António de Almeida Award
 - Best of course

Yearly promoted by FEUP to distinguish top 10 students of all courses.

These awards are given by several external organizations at the faculty Graduation Day. In this event, top 10% students are distinguished.

Promoted by the University of Porto to distinguish top 20 students of all Faculties.

University Awards

- Outstanding Merit Distinction, unique Edition.

National Awards

- Bento Jesus Caraça Award, 2001/2002 Edition.
 - Honorable Mention – ‘Stamps Problem’

Promoted by Mathematics National Society, Gradiva, Público and BP

Press

Printed Press

- Exame Informática – Nr 178, March 2010 – pp 84-85
 - Os Caçadores de Emoções
- Boletim Informativo FEUP – Nr 45, 2010 – pp 14-15
 - Interação por Electromiografia: Uma Receita de Acaso e KISS*

Exame Informática is a national publication specialized in technology and consumer electronics.

Online Press

- Exame Informática – 17th March, 2010 – www.exameinformatica.pt
 - Investigadores Portuenses Criam Aplicação que Capta Estados de Espírito.

Boletim Informativo FEUP is an internal publication within faculty campus scope.

Publications Papers in International Conferences

- Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“BIOSTORIES - Dynamic Multimedia Interfaces based on Automatic Real-time User Emotion Assessment”
in ICEIS 2010 – International Conference on Enterprise Information Systems, Funchal, Madeira, June 8-12, 2010
- Vasco Vinhas, Daniel Castro Silva, Eugénio Oliveira, Luis Paulo Reis
“Dynamic Multimedia Environment Based On Real-Time User Emotion Assessment – Biometric User Data Towards Affective Immersive Environments”
in ICEIS 2009 – International Conference on Enterprise Information Systems, pp.42-47, Milano, Italy, May 6-10, 2009
- Daniel Castro Silva, Vasco Vinhas, Luis Paulo Reis, Eugénio Oliveira
“Biometric Emotion Assessment and Feedback in an Immersive Digital Environment”
in I.J. Social Robotics 1(4), pp.307-317, 2009
- Vasco Vinhas, Pedro Mendes, Pedro Manuel Abreu
“Business Intelligence based on a Wi-Fi Real-Time Positioning Engine – A Practical Application in a Major Retail Company”
in ICEIS 2009 – International Conference on Enterprise Information Systems, pp.11-16, Milano, Italy, May 6-10, 2009
- Pedro Abreu, Vasco Vinhas, Luis Reis, Pedro Mendes, Júlio Garganta
“Tool Based Analytical Support for practical Professional Soccer Training”
in FUBUTEC 2009, Bruges, Belgium, April 15-17, 2009
- Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“Emotion-Based Multimedia Retrieval and Delivery Through Online User Biosignals – Multichannel Online Biosignals Towards Adaptive GUI and Content Delivery”
in ICAART 2009 – International Conference on Agents and Artificial Intelligence, pp.232-237, Porto, Portugal, January 19-21, 2009
- Jorge Teixeira, Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“Automatic Emotion Induction and Assessment Framework – Enhancing User Interfaces by Interpreting Users Multimodal Biosignals.”
in BIOSIGNALS 2009 – International Conference on Bio-inspired Systems and Signal Processing, pp.487-490, Porto, January 14-17, 2009
- Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“Dynamic Multimedia Content Delivery Based on Real-Time User Emotions – Multichannel Online Biosignals Towards Adaptive GUI and Content Delivery”
in BIOSIGNALS 2009 – International Conference on Bio-inspired Systems and Signal Processing, pp.299-304, Porto, January 14-17, 2009

Best Paper Award in track: “Human-Computer Interaction”

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Publications

Papers in International Conferences

- Vasco Vinhas, Daniel Castro Silva, Luis Paulo Reis, Eugénio Oliveira
“Real-Time Biometric Emotion Assessment in an Immersive Environment”
in ICINCO 2009, pp.153-158, 2009
 - Jorge Teixeira, Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“A New Approach to Emotion Assessment Based on Biometric Data”
in Proceedings of WI-IAT '08 - IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology, 9-12 Dec, Sydney, Australia, pp. 505-511, 2008
 - Jorge Teixeira, Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“EMOTION ASSESSMENT TOOL FOR HUMAN-MACHINE INTERFACES - Using EEG Data and Multimedia Stimuli Towards Emotion Classification “
in SIGMAP 2008: Proceedings of the International Conference on Signal Processing and Multimedia Applications, pp. 185-188, 2008, ISBN: 978-989-8111-60-9
 - Pedro Manuel Abreu, Vasco Vinhas, Pedro Mendes
“BUSINESS INTELLIGENCE THROUGH REAL-TIME TRACKING - Using a Location System Towards Behaviour Pattern Extraction”
in ICE-B, pp.51-57, 2008
 - Daniel Castro Silva, Vasco Vinhas
“A Flexible Extended Quarto! Implementation Based on Combinatorial Analysis”
Proceedings of the LADIS Gaming 2008: Design for Engaging Experience and Social Interaction, 25-27 July, Amsterdam, The Netherlands, 2008, ISBN: 978-972-8924-64-5, pp.59-66, 2008
 - Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“Realtime Dynamic Multimedia Storyline Based on Online Audience Biometric Information”
in KES IIMSS - Intelligent Interactive Multimedia Systems and Services, pp.545-554, University of Piraeus, Greece, July 9-11, 2008
 - Jorge Teixeira, Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“General-Purpose Emotion Assessment Testbed Based on Biometric Information “
in KES IIMSS - Intelligent Interactive Multimedia Systems and Services, pp.533-543, University of Piraeus, Greece, July 9-11, 2008
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Publications **Papers in International Conferences**

- Jorge Filipe Teixeira, Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“MULTICHANNEL EMOTION ASSESSMENT FRAMEWORK - Gender and High-Frequency Electroencephalography as Key-Factors“
in Proceedings of ICEIS 2008 - 10th International Conference on Enterprise Information Systems, pp. 331-334, Barcelona, Spain, June 12-16, 2008
- Jorge Teixeira, Vasco Vinhas, Eugénio Oliveira, Luis Paulo Reis
“MULTICHANNEL EMOTION ASSESSMENT FRAMEWORK - Positive and Negative Emotional Dichotomy “
In ICINCO 2008, 5th International Conference on Informatics in Control, Automation and Robotics, Vol. Signal Processing Systems Modeling and Control pp. 249-252, Funchal, Madeira, Portugal. May 11–15, 2008, ISBN: 978-989-8111-32-6
- Vasco Vinhas, António Gomes
“Mouse Control Through Electromyography “
in Biosignals 2008, pp.371-376, 2008
- Pedro Manuel Abreu, Pedro Mendes, Daniel Castro Silva, Vasco Vinhas
“MicroCredit Practices Applied to E-Supply Chain Management “
in IADIS International Conference on e-Commerce 2007, pp.91-98, 2007
- Vasco Vinhas, Daniel Castro Silva, Pedro Manuel Abreu, Pedro Mendes
“A Domain-Specific Flexible Optimization Approach for e-Supply Chain Management“
in IADIS International Conference on e-Commerce 2007, pp.35-42, 2007
- Daniel Castro Silva, Vasco Vinhas
“An Interactive Augmented Reality Battleship Game Implementation”
in Proceedings of the 1st Learning with Games 2007, pp. 213-219, Sophia-Antipolis, France, September 24-26 2007.
- Vasco Vinhas, Luís Paulo Reis e Fernando Moreira
“Real Time and Complete Assembly Lot Traceability Algorithm”
Semicon Singapore 2007

Best Paper Award

Papers in National Conferences

- Pedro Manuel Abreu, Pedro Mendes, Daniel Castro Silva, Vasco Vinhas
“Implementing an Agent Following MicroCredit Practices for a Competitive Supply Chain Management Environment”
in EPIA 2007 - 13º Encontro Português de Inteligência Artificial, pp.681-691, 2007
-

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Publications **Papers in National Conferences**

- Vasco Vinhas, Daniel Silva, Pedro Abreu e Pedro Mendes
“Voice OverM²L – Talk the Math”
Xata 2007 – XML: Aplicações e Tecnologias Associadas
 - Vasco Vinhas, Daniel Silva, Pedro Abreu e Pedro Mendes
“Integrador Automático de Notícias”
Xata 2007 – XML: Aplicações e Tecnologias Associadas
-

Conferences **Session Chair**

- Conference: *ICEIS 2009*
Session: Parallel Session 7 – Human-Computer Interaction
 - Conference: *ICEIS 2010*
Session: Parallel Session 6 – Human-Computer Interaction
-

Supervising **MSc Thesis**

- Thesis: *“Recolha e Armazenamento de Dados de Equipamentos Biométricos”*
Student: António Gomes
Programme: MSc in Electrical and Computer Engineering -
Telecommunications
Institution de Ensino: FEUP
 - Thesis: *“Processamento de Dados de Equipamentos Biométricos”*
Student: Jorge Teixeira
Programme: MSc in Electrical and Computer Engineering -
Telecommunications
Institution: FEUP
-

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**Personal Skills
and
Competences**

Mother Tongue

- Portuguese

Other Languages

- English
 - Listening: Excellent
 - Reading: Excellent
 - Spoken: Excellent
 - Writing: Excellent
- French
 - Listening: Good
 - Reading: Excellent
 - Spoken: Good
 - Writing: Good
- Spanish
 - Listening: Excellent
 - Reading: Excellent
 - Spoken: Good
 - Writing: Good
- Italian
 - Listening: Fair
 - Reading: Good
 - Spoken: Insufficient
 - Writing: Insufficient

Programming Languages

- C
- C++
- C#
- Objective-C
- JAVA
- Visual Basic
- Basic
- PROLOG
- Scheme
- JavaScript
- VBScript
- PHP
- Assembly

Operating Systems

- Windows 95 / 98 / Me / 2000 / XP / 2003 Server / Vista / 2007 / 7 / 2008 Server
 - DOS
 - Linux
 - Mac OSX
-

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**Personal Skills
and
Competences**

Databases

- Oracle 9i / 10g / 11i / 11g
- MS SQL Server 2005/ 2008 /2012
- PostgreSQL
- MySQL
- MS Access

Development Environment

- Microsoft Visual Studio 6.0
- Microsoft Visual Studio .NET 2003 /2005 /2008 /2010 /2012
- Eclipse
- Xcode
- Sun Forte for JAVA
- KDevelop
- Blue J
- SICStus PROLOG
- Dr. Scheme

Web

- HTML
- CSS
- PHP
- JSP
- AJAX
- Flash
- JavaScript / JQuery
- VBScript

Software Engineering

- Rational Rose
- Microsoft Visio
- Poseidon
- Dia

Contents / Office

- Word
- Excel
- PowerPoint
- Access
- Visio
- Project
- OpenOffice
- LaTeX

Servers

- Apache HTTP Server
 - Apache Tomcat
 - IIS
-

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**Personal Skills
and
Competences**

Browsers

- Internet Explorer
- Mozilla
- Firefox
- Opera
- Safari

Other Applications

- Macromedia Dreamweaver
 - Macromedia Flash
 - Macromedia Director
 - Adobe Premier
 - Adobe Acrobat
 - Photophop
 - 3DS Studio Max
 - Altova XML Spy
-

Interests

Areas of Knowledge

- Mathematics
- Physics
- Algorithms
- Economy
- International Politics

Hobbies

- Cinema
 - Sports
 - Football
 - Cycling
 - Hiking
 - Basketball
 - Traveling
-