

Sara Patricia Fernandes Tranquada

CONTACT

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WORK EXPERIENCE

Madeira Interactive Technologies Institute

July 2015 — September 2015

Research Grant

Creating a single-page web application which update in realtime and scale.
Interacting D3.js, with the possibility to add more extra libraries.

ARDITI - Regional Agency for the Development of Research, Technology and Innovation

February 2014 — June 2015

Scholarships for Teachers / Researchers - Internship Frequency

In the scientific area (Human - Computer Interaction)

February 04 - March 05:

Resuming the dissertation project: Hospital Hero - a 3D game that combines the challenge of a maze, with treasure searching and positive interaction

Public audience: Children who are waiting in the emergency room

Goal: Reduce or even eliminate the levels of stress and anxiety

February 05 - June 05:

Project: TGRAM - a different approach of the tangram game in a digital and cooperative way

Public audience: everybody

Goal: encourage communication, balancing domain

Regional Office for Education and Culture

September 2004 — September
2004

Youth Formation

In the Secretary area:

- photocopying
- paperwork organization
- fax sending

CONSERVATORY - SCHOOL OF ARTS - Eng LUÍZ Peter Clode

August 2003 — August 2003

Youth Formation

In the Secretary area:

- photocopying
- paperwork organization
- fax sending
- assisting teachers (release grades)

EDUCATION

PhD in Digital Media

October 2015

Faculty of Sciences and Technology of the New University of Lisbon

Master on Computer Science

September 2011 — February 2015

University of Madeira

Software design and implementation, Centric Applications Networks, Distributed Systems, Organizational Engineering, Security Communication Systems, Software Architectures for interfaces with the user, Centered Software Engineering Human, Systems Decision Support, Game Design, Analysis Projects and Investments, Dissertation (Hospital Hero)

GRADE: 17

Degree on Computer Science

September 2008 — July 2011

University of Madeira

Discrete Mathematics, Rhetoric and Communication, Digital Systems, Mechanics and Waves, Probability and Statistics, Logic, Computational Algorithms and Data Structures, Introduction to Business Studies, Theory and Computer Fundamentals, Object Oriented Programming, Computer Architecture, Civilizations and Cultures Anglo American, Artificial Intelligence, Processes and Software Metrics, Database Managers Systems, Operating Systems, Requirements Engineering, Human-Computer Interaction, Networking and Data Communication, Theory of Languages and Compilers

GRADE: 16

Secondary School- Science and Technology

October 2004 — July 2008

Secondary School of Francisco Franco

Portuguese, Physical Education, Mathematics A, Biology and Geology, Chemistry, Project, Philosophy, Physics and Chemistry A, Technology of Information and Communication, English

GRADE: 14

FURTHER EDUCATION

2009

- University of Madeira, Photography, David Francisco

2014

- Student Volunteer of 11th Advances in Computer Entertainment Technology Conference

2015

- Madeira Interactive Technologies Institute, Node.js - the basics and beyond with Pedro Teixeira

LANGUAGE

Native Language: Portuguese

English:

- understand
 - Listening -> Advanced
 - Reading -> Advanced
- speak
 - oral interaction-> Advanced
 - speech production -> Advanced
- Write -> Intermediate

PUBLICATIONS

2013

- A. Goldman, D. Teixeira, S. Tranquada, J. Silva, A. Alves, B. Han, J. Diaz, C.

Camacho, "Umbra: Beyond Avatars: A Gaming Installation using Shadows", In *CHI '13 Extended Abstracts on Human Factors in Computing Systems on - CHI EA '13*. New York, New York, USA: ACM Press, p. 2631

- S. Tranquada, M. Chen, Y. Chisik, "Hospital Hero: A Game for Reducing Stress and Anxiety of Hospitalized Children in Emergency Room", in *ACE 2013 - the 10th Advances in Computer Entertainment Technology Conference*, Boekelo, The Netherlands, 2013

SKILLS

Knowledge of the following programming languages:

- php,
- html,
- C++,
- C#,
- promela,
- assembly,
- Java,
- SQL,
- CSS,
- javascript,
- visual basic,
- C,
- android,
- node.js