TIAGO SILVA

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Portuguese & US Citizen

EDUCATION

Computer Science & Full-Stack Developer Student at École 42, Paris *(France: Nov 2014 - Dec 2015)*

Free and teacher-free computer science school centred around the ideas of peer learning, **project-based work** and self-motivation. Studied here to consolidate computer science skills in order to apply them in social sciences. All projects on GitHub. More information on École 42: link
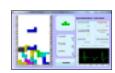
MA in Education Technology at Newcastle University *(UK: Sep 2013 - Oct 2014)*

Thesis: *"What is the Relevance of SOLEs in Maths Education?"*, under the supervision of **Dr. Sugata Mitra** (TED Prize 2013) and Dr. James Stanfield. The first to research & design SOLEs [Self-Organized Learning Environments] for children in **Mathematics**, with experiments in the UK and India. Obtained Master's with Distinction. Invited speaker on 'The Future of Sustainable Development Goals for Education' for the International Development Society Conference, February 2015.

Placement in Kolkata, India for a month to implement SOLEs in an International Private School from 3rd to 11th Grade, by providing student and teacher training.

BSc in Biomedical Engineering at IST Lisbon *(Portugal: Sep 2009 - Mar 2013)*

Portugal's Top Engineering College and top 5 student of the class. Subjects of interest: Probability & Statistics, Electronics, Instrumentation and Signal Acquisition, Computational Mathematics, Linear Algebra. **Project:** *Biofeedback Game*. Was the **team leader of a 9-person group & lead game developer** of a **tetris game for children with anxiety disorders**, in which the game speed would increase according to the user's heart-rate.
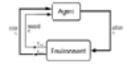
RESEARCH/WORK EXPERIENCE

Internship as Web Developer at Inovasis *(Aveiro, Portugal: Feb 2016 - Dec 2016)*

Developed & designed Infographics for a medical analysis Web App for a Portuguese Ophthalmology Research Group (GER). Responsible for the front-end development.

Researcher in Computational Neuroscience at IMM Lisbon *(Portugal: Apr 2012 - Oct 2013)*

Under the supervision of Columbia University Professor Tiago V. Maia, the research's goal was to mimic the reward pathways of **Habit Learning** in patients with Learning Disorders vs Controls using Machine Learning Algorithms. Awarded a **scholarship**. Was part of a **Postdoctoral Course** in Neurocomputational Modelling at Champalimaud Centre for the Unknown.

International Volunteer Training and Management *(Lisbon, Portugal: Nov 2009 - May 2012)*

During the BSc, was co-responsible for Volunteer training of GASTagus, an International Volunteering Organization. **Over 120 new international volunteers were trained over this timespan**. In August 2010, was a volunteer in Cape Verde supervising a summer camp for children in need. GASTagus won the 10.000€ **National Youth Volunteering Award** in 2013.

SKILLS

Coding/Design: strong - C, Matlab, jQuery, Javascript, D3.js, HTML, CSS, C#
   intermediate - SQL
   basic - C++, Wolfram Mathematica, PHP, Unity, Sketch, Photoshop
   github - github.com/tiagomms

Software/tools: intermediate - Emacs, Vim, git, Webflow (CMS tool)

Languages: Portuguese (native), English (superior), Spanish (intermediate), French (basic)

Event organiser: One of Wearhacks & MLH Hackathon Paris 2015 organisers. Main Organiser in GSusJam in 2013, Newcastle, to design environmentally sustainable solutions in 48 hours.

Interests: Having fun with my 2 younger siblings. Travelling. Basketball. Recreative soccer. Reading, mostly Sci-Fi & Fiction. Music - playing guitar, singing, composing. Meditation.