

# TIAGO SILVA

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Phone number: +351 910455756

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](#)



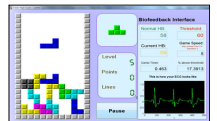
### MA in Education Technology at Newcastle University (UK: Sep 2013 - Oct 2014)

**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.



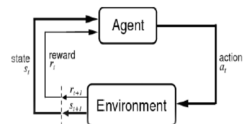
## RESEARCH / WORK EXPERIENCE

### 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](https://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.