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Technical Skills

Proficiency in C, Java, C++ with good knowledge of OO concepts and Design Patterns.

Experience with Processing and Open Frameworks.

Familiar IDE's: Netbeans, Codeblocks, Qt Creator, Arduino, Processing.

Basic knowledge of data mining tools such as Weka and RapidMiner and Wekinator.

Theoretical knowledge of Agile Software Development.

Daily Linux user.

Relevant Work Experience

July – August 2016 – Mentor at Acorn Accelerator 2016 London - <http://acornaspirations.co.uk/>
Mentoring teens during the course of a week, helping on developing their ideas, coding and pitching.

March 2016 – QCon London 2016 Volunteer/Attendee - <https://qconlondon.com/>

2014 – 2015/October 2016 - Current – Government Sponsored Scientific Initiation at National Scientific Computation Laboratory. LNCC , Brazil
- Research on numeric and computational modelling via cellular automata. That research led to a publication, highlighted in “Publications”.

August/2013 – January/2014: British American Tobacco Americas
- Intern at the regional office of BAT Americas on the IT area. Working with the managers helping on Project Management covering all companies in the BAT America's region (eg Souza Cruz - Brazil) . Also acting as Records Management Coordinator (coordinating and overseeing document retention policies of the company) in my area .

Publications

Marcelo Zamith ; TOLEDO, R. C. P. L. ; Esteban Clua ; Elson M. Toledo ; **Guilherme V.P. Magalhães** . A new stochastic cellular automata model for traffic flow simulation with drivers behavior prediction. Journal of Computational Science, v. 9, p. 51-56, 2015.

[doi:10.1016/j.jocs.2015.04.005](https://doi.org/10.1016/j.jocs.2015.04.005)

Education

2014 – Current – Bachelor in Informational Systems – Universidade Federal Fluminense

September 2015 – 2016 Sponsored Student - Goldsmiths University of London

-Science Without Borders student sponsored by the Brazilian Government, taking Computer Science related modules.

2011 - 2014 - Bachelor in Computer Science Universidade Federal Fluminense UFF
- Changed course prior to completion, most of the modules were used in the new course.

2008 - 2011 - High School - Colégio e Curso Ponto de Ensino Niterói

Certificates and Courses

September/2014 - Cambridge English Language Assessment - IELTS 7.5 (Listening 8.0, Reading 7.5, Writing 6.0, Speaking 8.5).

2010 - English Proficiency Certificate (Advanced) at Vancouver English Centre
Obtained in a 2 months exchange programme.

2000/2009 - English Course at LEMEC.

2007 - Web Design - at SOS Computers.

Other Skills

Portuguese (mother-tongue), English (fluent)

Activities and Projects

2015 - "HACKCESS #Hackathon" Goldsmiths University of London
- Hackathon focused to help disabled people live more independent lives, improving accessibility through technology.

2015 - BlindMind Project
Arduino + Open Frameworks, Project goal was to simulate to non-blind people what blind people can "see" (shadows and light reaction)

2016 - HandOfGod Project
RaspberryPi +SkyWriterHAT+ OpenFrameworks. Control a self sustained environment with the palm of your hand using the Bible.

Projects on Github: <https://github.com/gvpm>