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Software Artisan & Epistemologist
Curriculum Vitae

Open Source Projects

➥ **DrFuzzy** a file finder/opener for DrScheme based on Jamis Buck's fuzzy file finder.

➥ **Has many polymorphic friends**, a rails plugin based on the has many friends, but with added support for polymorphism.

➥ **The Ywapa Project**, a certification authority management system for security lab of UFSC. I've also helped in a limited way on other projects of the lab like libcryptosec.

Technical Skills

➥ **Programming Languages**: Scheme, C, Ruby, Javascript, Bash

➥ **Taste**: I like to think that I have a little of that thing called taste.

➥ **Design philosophy**: I use the design recipe as presented in HTDP. I try my best to grow code from data analysis, using functional, object and aspect oriented philosophies.

➥ **Programming practices**: I try hard to do my work in an egoless and pragmatic fashion.

➥ **OS**: I mostly use Ubuntu, sometimes Debian or Suse. I've installed and played around with some BSDs.

➥ **Preferred development tool**: VIM, and DrScheme for all schemy things.

Professional Experience

2009 ➥ **Educator and Researcher**. Helping some people develop programming skills and taste, mostly using as textbooks HTDP and SICP. Also I've been studying education, cognition and epistemology and how technology can influence these processes.

2009 ➥ **Contractor for DevRepublic**. Basically the default rails web 2.0 contract gig.

2007 - 2008 ➥ **Contractor for ELC a rails house** developing a multitude of "web 2.0" services, from CMS to social networks.

2007 ➥ **Developer for AuctionPal** in their internal rails Auction Expert system. Mostly controller/model area of the MVC stack. Unfortunately the project was discontinued.

2007 ➥ **Contractor for Ursa Minor in a Dupont green site**. I was an all around developer for the site, doing stuff from the UI(mostly AJAX) to the background and cart functionality .

Professional Experience (continued)

2005 - 2007 ➥ **Software Developer/Interface Engineer** for LabSEC(UFSC's security lab) Helping to build a crypto library in C++ called libcryptosec to facilitate the development of cryptography applications(openSSL is a pain, so we built a shell around it).

2005 - 2007 ➥ **Software Developer/Interface Engineer** in LabSEC(UFSC's security lab) developing a Digital Certificate Management System called ywapa for the national Certificate Authority of the Brazilian Federal Government.

References

➥ **Lex Sisney**, CEO of ELC technologies, my old boss.

➥ **Jose Eduardo de Lucca**, Professor of UFSC, my thesis advisor. His CV.

➥ **Ricardo Felipe Custodio**, Professor of UFSC, and the chief of the security lab where I spent 2 of my college years. His CV.

Interests

➥ **Law of accelerating returns**: All my research interests were in some way shaped by the vision of Ray Kurzweil about the possibilities of the future and his analysis of the exponential growth of technology and the impact of that growth on our societies and way of life. To get the feeling, here is a nice introductory video.

➥ **Technology&Education**: People like Seymour Papert, Alan Kay and Douglas Engelbart inspired me to start learning about learning and to investigate how technology can augment our cognitive abilities.
Here is a link for the article (it's work in progress, so any review is appreciated). If you never heard of Papert, I urge you to check his book Mindstorms and take a look at some of his lectures.

➥ **Brain/Machine Interface&AI**: Due to the contact with Papert's philosophies and also Marvin Minsky's book, The Society of the Mind, and watching professor Nicolelis speak.

➥ **JiuJitsu&Aikido**: Great ways to get in shape and to get in contact with your body.

➥ **Surf**: Another great sport, a way to restore some connection with nature.

➥ **Knowing new people and ideas**: It's the best way to keep your mind fresh and your beliefs in check. Plus it's a great way to broaden the horizons of the mind.

➥ **Graphic Novels**: Very communicative medium to express deep ideas, plus I love comics :D

➥ **Documentaries**: Nice way to be informed and have some entertainment.

Formal Education & Articles

2002 – 2007 ➥ **College**, Information Systems and CS - UFSC

➥ **Thesis article**

➥ **An emergent participatory design framework for higher education**

➥ **Developing a programming design taste**

Miscellaneous

➥ **Languages**: Portuguese, Fluent English, Basic Italian, Basic Spanish

➥ **Personal group**: CNXS, a little development group that I've built with a couple of friends.

➥ **Conferences**: Atended and did a minor talk (there are subtitles in there) on the birds of a feather section of Rails Summit Latin America 2008. The talk was about digital voting and how dangerous it is for democracy.

Books that had an impact on me