

Pablo Margreff | Resume

Pelotas, Brazil

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Undergraduate in computer science at Federal University of Pelotas. Open source supporter.

Experience

- **Developer** **Zero ou Um - Digital Solutions**
Back-End *December 2015 – Currently*
Developer and maintenance manager of web platforms, focused in solutions of educational field. Work in most of time PHP technologies and frameworks. We are a small company work remotely in the most of time, once a week we get together to work.
- **Administrative Assistant** **Unimed - Vales do Taquari e Rio Pardo**
Commercial department *January 2012 – February 2014*
Some activities: Contract agreement validations, individuals or legal entities, costumer service. Helped to plan and execute an idea to decrease a paper consume made by department. With that the department have print out six thousand less sheet in a month (50% of total print out), we gain some time, help to reduce the ecological impact, and help in medium-large term decreasing the costs of the department.

Education

Academic.....

- **Federal University of Pelotas** **Pelotas - Brazil**
Bachelor Of Computer Science, *2014–Currently*
- **State school of professional education** **Estrela - Brazil**
Computer technician (Not finished), The three first semesters *2012–2013*
- **Rio Grande Do Sul education cooperative (SESCOOP)** **Lajeado - Brazil**
Administration course, *2012–2012*

Extracurricular Activities.....

- **Tutorial Educational Program (PET):**
The program develop skills in education, search and others skills. An example of activity is the academic week, it's made for more then 6 hundred of student with talks, week-courses, and debates to have a better computer science/engineering, the talks and week-course also help the students to learn some kind of things usually don't teach on college. The participation of PET inside computer science course allow the students get, modified and increasing the quality of course.
- **Search project: 'Motion recognition using Kinect for a computer-human interaction:'**
The goal of project was build a scientific and technological base to develop a tool mapping recognition and some artificial intelligence to continue increasing the percentage of assertiveness in real time. This tool will be used to translate the Brazilian Signal Language, using motion recognition. For that we have used Microsoft Kinect V2 to get motion and WEKA library to classify the motion. The idea is an pedagogic tool to ease teachers teach Portuguese and mathematics to deaf children's.

- **Personal projects:** *'Using motion recognition to access remote devices.'*

Use the kinect v1 to capture motion and send this to a module (by *http requests*) with socket control (build with arduino), that allow us to turn on or turn off remotely whatever device plugged on own special socket, in our case it was a coffee-machine. :D

It could be use in all kind of devices, in some cases to get better accessibility for physically disable person.

» **Kinect code** - <https://github.com/pmargreff/KinectTracker>

» **Coffee-machine code** - <https://github.com/rsilveira65/smartcoffee>

Skills

- **Programming languages:** C/C++, C#, Java, PHP, MySQL, CSS, HTML5, Javascript .
- **Frameworks:** Materialize (CSS), AngularJS, NodeJS, Gulp, Sass.
- **Languages:**
 - » English - Speaks: Intermediate, Writing: Beginner, Reading: Intermediate.
 - » Spanish - Speaks: Intermediate, Writing: Beginner, Reading: Intermediate.
 - » Portuguese - Native.
- **Others:** Strong skills in oriented-object pattern, and projects patterns, version control knowledge (git), experience with UNIX.
- **Personal skills:** Pro activity, Blog Writer (most times in Portuguese), Passion in learn new things and teach them.
- **Interests in:** Docker, programming language concepts, artificial intelligence, functional programming languages, test driven development, agile development.

Events

- 19th Academic week from computer science/engineering in Federal university of Pelotas (2014) - Organizer
- 20th Academic week from computer science/engineering in Federal university of Pelotas (2015) - Organizer
- 16th International Free Software Forum (2015) - Participant/Voluntary organizer
- Code Arena / Hackathon By Federal University of Pelotas (2015) - Creator and organizer

Relevant links

- Personal Blog - <https://pmargreff.wordpress.com/>
- Articles on Viva o Linux (Portuguese) - <http://www.vivaolinux.com.br/~pmargreff/artigos/>
- GitHub Profile - <https://github.com/pmargreff>
- Stack Overflow Profile (Portuguese) - <http://pt.stackoverflow.com/users/17688/pmargreff>