

Pablo Margreff | Resume

Pelotas, Brazil

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Undergraduate in computer science at Federal University of Pelotas.

Experience

- **Developer** **Zero ou Um - Digital Solutions**
Back-End *December 2015 – Currently*
Developer and maintenance manager of web platforms, focused in solutions for the educational field. Work in PHP technologies and frameworks. Activities are mainly developed remotely.
- **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. Co-participated as an developer and executor of the idea to decrease the paper consume of the department. The result of the application was the saving of six thousand sheet in a month (50% of total print out) also it helped to reduce the ecological impact, and in medium-long term we cut off 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*

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.

Extracurricular Activities

- **Tutorial Educational Program (PET):**

The program helps develop skills in education, search and leadership. An example is the academic week, which it's made for more than 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 things usually don't teach on college.

- **Search project:** *'Motion recognition using Kinect for a computer-human interaction.'*

The goal of project is to build a scientific and technological base in order to develop a recognition tool for LIBRAS (Brazilian Sign Language). It uses some artificial intelligence to constantly increasing the percentage of assertiveness in real time. The final goal is a pedagogic tool for teachers, where it will translate the LIBRAS, easing the process of teaching. For all this, We have used Microsoft Kinect V2 to get the motion and WEKA library to classify the motion.

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

The work consists in the capture of a motion that will be sent to a plug control (built with Arduino) that allows to turn on/off remotely any device plugged on the special plug (by *http requests*). The first implementation was a coffee-machine.

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

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

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>