Uillian Luiz Ludwig

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⬛ EDUCATION

Master in Computer Science — 2016-Fev 2018
Pontifical Catholic University of Rio Grande do Sul, Porto Alegre, RS - Brazil
- Master Thesis: (In Progress) Increasing the performance of multi-tier applications using smart placement techniques that take into consideration the resource interference and network affinity of each tier.
- Collaborating with a PhD student in the mentoring of interns, focusing on their research and technical skills, while doing research on topics such as prediction of resource utilization and performance interference.

Bachelor of Computer Science — 2010-2015
Federal University of Pampa, Alegrete, RS - Brazil
- Final Project: Designed, developed and launched a web and mobile system for searching intercity bus routes using PHP, Python and MySQL on the back-end, bootstrap and jQuery on the website, and Java on the mobile application.
- Demonstrated in-depth knowledge and strong communication ability as a teacher assistant for programming courses that resulted in reduced student evasion and increased approval rate.
- Achieved 2nd place in the 7th Marathon of Parallel Computing organized by SBAC-PAD/WSCAD. It required the use of optimization techniques and APIs such as OpenMP to reduce the computing time of several C applications.

Science Without Borders Exchange Program — 2013-2014
University of Toronto, Mississauga, ON - Canada
- Strengthened English and Computer Science skills during a 16-months program.
- Effectively collaborated with a team member in order to develop a module that allowed debugging of Racket code on web browsers. This activity was realized during an optional Computer Science summer course.

⬛ INDEPENDENT PROJECTS

Co-Founder and Developer — UnkApps — 2013-Present
- Developing and launching several Android applications using technologies such as Java, React Native and Unity.
- Strengthening web development skills using trending technologies such as Node.js, Express, MongoDB and React.

Manager and Developer — Mundo Brasfoot — 2009-2014
- Migrated a Blogger website to WordPress, allowing better management of fan-based content for the game Brasfoot.
- Utilized SEO techniques to improve rankings on search engines, leading the website to having more than 100,000 unique views per month.
- Developed applications using Visual Basic .NET that improved user experience while playing the game Brasfoot. Such applications have had more than 1 million downloads.

⬛ FREELANCE PROJECTS

Web Developer — Graduate Program in Geography – Federal University of Pelotas — 2012
- Created two websites for the graduate program in Geography using WordPress, PHP, MySQL, JavaScript and CSS. Also, implemented a content management system that allowed easy modifications on the page content.

Web Developer — Clínica Santa Bárbara — 2015
- Created a web system using PHP, MySQL, JavaScript and CSS for managing patients, appointments and exams requirements for a medical clinic.