Ian L. Rodrigues – 28 years

CONTACT
Phone: +55 19 99899-5021
E-mail: ian.liu88@gmail.com

LANGUAGES
Portuguese – Native language
English – Advanced

EDUCATION

University of Campinas

Introduction to Machine Learning at Coursera.	**2014**
BSc in Computational and Applied Mathmatics.	**2006 − 2010**

EXPERIENCES

Main Software Developer at CEPETRO — **09/2012 − current**
- Develop highly optimized algorithms, heuristics for function maximization, various interpolation techniques—all applied to geophysics problems at the Center for Petroleum Studies (cepetro.com.br). Working mainly with C++ and Python.

Junior Analyst at Itaú Bank — **04/2012 − 08/2012**
- Developed database systems and web services using the .NET platform.

Software Developer at GêBR — **08/2009 − 2013**
- The GêBR project (gebrproject.com) is a Graphical User Interface tool for geophysicists and geologists to process seismic data. It was financed by Petrobras as a research project.

Open-Source Contribution to Ubuntu — **03/2011**
- Fixed the following two bugs using the Vala language
- bugs.launchpad.net/unity-lens-applications/+bug/734762
- bugs.launchpad.net/unity-lens-applications/+bug/736471

Freelance job for SKEDIO TEC — **02/2009**
- Program in Python that plots real-time data collected from a probe that measures moisture in concrete tanks.

Main Software Developer at IgnisCom — **04/2007 − 06/2008**
- Developed educational games using Flash/ActionScript platform.

Educational Flash Applets — **2006**
- Developed programs in Flash to exhibit curiosities of geometry for Prof. Alberto Saa, at Unicamp (github.com/ianliu/curiosidades-da-geometria)

EVENTS

Intel Tech Theater — **2015**
- Presented the "Efficient and Fault Tolerant Computation of Partially Idempotent Tasks" expanded abstract at the Intel Tech Theater, Rio de Janeiro.

SBGf 2015 — **2015**
- Published the "Efficient and Fault Tolerant Computation of Partially Idempotent Tasks" expanded abstract at Geophysics Brazilian Society conference, at Rio de Janeiro.

Wave Inversion Technology — **2013**
- Presented the report "Enabling large data processing with the 3D ZO CRS Stack software" at Hamburgo, Germany.

ERAD Contest — **2013**

- Participated at the High Performance Computing Contest at the ERAD congress, São Paulo. Developed a very efficient Image Blur algorithm using SIMD instructions (github.com/ianliu/desafio-erad-sp-2013).

12th CISBGf   **08/2011**
- Participated at the 12th CISBGf to present the GêBR project, at Rio de Janeiro.

Google Developer Day   **10/2010**
- Attended the Google Developer Day, at São Paulo.

11th CISGBf   **08/2009**
- Participated at the 11th CISGBf to present the GêBR project, at Rio de Janeiro.

Summer Course at LNCC   **01/2009**
- Attended the summer course at the National Laboratory of Computational Science (LNCC), located at Petrópolis, Rio de Janeiro. Classes taken include Monte Carlo method, Quantic Computing, and Graphs Algorithms.

SKILLS

Math:
- Interpolation Methods, Optimization Algorithms and Heuristics, Random Walk

Computing:
- C/C++, Python, Shell Scripting, JavaScript, SQL
- Linux systems, Version Controls, Trello, GitHub

Finance:
- Value Investing
- Stocks and Options modeling (still learning)

Hobbies:
- Gardening, Kung Fu, Dogs

LINKS

Links:
- github.com/ianliu
- facebook.com/IanLiuRodrigues