Ranieri Althoff

Contact

Florianopolis, SC
ranisalt@gmail.com
ranisalt
ranisalt

Languages

Portuguese native
English fluent

Programming

some thousand lines
- C++ • Python • Shell

just a thousand lines
- Javascript • Java • PHP

just started learning
- Haskell • LaTeX • Lua
- Prolog • Ruby

Tools

databases
- MongoDB • MySQL
- Redis • SQLite

frameworks
- Flask • Laravel

generators & task runners
- CMake • Jekyll • Make

version control
- Git

web servers
- Nginx • uWSGI

others
- crawlers • cryptography
- linux & open source ♥
- map reduce • robotics
- static generators

ACADEMIC FORMATION

Bachelor in Computer Science   `2013 - now`
Federal University of Santa Catarina (UFSC)

Technician in Information Technology   `2010 - 2012`
Federal Catarinense Institute (IFC)

PROFESSIONAL EXPERIENCE

Scholarship   `5/2015 - 10/2015`
Computer Security Laboratory (LabSEC) at UFSC
   Development of security software, certification authorities, security libraries and wrappers, building automation infrastructure, package generation for Red Hat.

Scholarship   `4/2014 - 4/2015`
Tutorial Education Program (PET) at UFSC
   Undergraduate research, office automation using microcontrollers, configuration of network-based minicomputers, tutoring logic and programming for freshmen, academic extension, development of recommendation systems for students.

Internship   `6/2011 - 11/2012`
LabMat$(i)^2$ at IFC
   Improve laboratory productivity, develop tools to supersed manual work, develop system to manage clock-in and clock-out of trainees, create new purposes for seized slot machines, scientific research at high school level.

SKILLS AND INTERESTS

Python programming
   Development of web crawlers using frameworks for scraping, communication with microcontrollers for home/office automation, direct memory manipulation, process tracing.

Linux environment
   Shell (bash and fish) scripting, automation of routine tasks, usage of various distributions, system administration.

Database operation
   Relational databases, document-oriented databases, key-value storage, in-memory databases as application caches, map-reduce procedures.

Interested in
   Artificial intelligence, machine learning, neural networks, theory of choice, data mining, functional programming, cryptographic functions and systems, probability and statistics. Knowledge is endless.

ADDITIONAL INFORMATION

Participation in events
   II FMEPT (2011), SECCOM (UFSC) (2013, 2014, 2015), PHP/SC Conference (2014), Front in Sampa (2014, 2015), Front in Floripa (2014), and lots of coding dojos

Online courses taken
- Introduction to Artificial Intelligence (Stanford University, 2011)
- Introduction to Databases (Stanford University, 2011)

For more information, please see GitHub profile.