Sergio Botero Uribe

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Education

Universidad EAFIT (Medellín, Colombia)
Software Engineering
Jan 2007 - Dec 2011 (Graduation Jun 2012)
Cumulative (GPA): 4.1/5
Selected Coursework:

> **Computer Science:** Programming Languages · Data Structures and Algorithms · Operating
> Systems · Computer Architecture · Software Engineering

Training on the Hubzero project - Purdue University
Aug 2011 - Dec 2011
Training on the implementation and support for a supercomputing platform and the project that enables
its usage.

Work History

Universidad EAFIT (Medellín, Colombia)
Research in Spatial Economics, RiSE Group (Mar 2013 - Current)
ClusterPy programmer
- Parallelization and optimization of the clustering algorithms available in the Clusterpy library
  `https://code.google.com/p/clusterpy`.
- Project to make available the ClusterPy library on EAFIT's Apolo computer.

Universidad EAFIT (Medellín, Colombia)
Visiting Scientist at C.E.C.I. Laboratory at MIT (Oct 2012 - Feb 2013)
Programmer LabManager Project
- Project to integrate multiple Remote laboratory systems (e.g. iLabs, Deusto) in different Learning
  Management Systems, and allow students to access remote laboratories from their course contents.
- Working on the LMS to LabManager communication.
- Project is at `http://www.github.com/lms4labs/labmanager`

Universidad EAFIT (Medellín, Colombia)
R+D In Computer in Education (Jan 2011 - Jul 2012)
Intern Research Assistant
- Ubiquitous technology project: Interactive TV application to let children in rural areas learn about
  their context.

  → (Side project) Developed an iOS application for the university. Let students access grades, class
  schedule and general information.

- Project for the implementation of a NanoHub mirror for Latin America.

  → Creation of scripts for automated installs of computer cluster.

  → (Side project) Started a Web application to help people create submission files required to send
  a job to a cluster that uses Condor HTC.

Kogi Mobile (Medellín, Colombia) (September 2011)
iOS developer
- Work on the technical development of iOS applications.

  → Worked on adapting a video advertising component for a TV show application.

  → Worked on the development of a new version for an already existing application.

39 Inc (May 2012 - September 2012)
iOS developer
- Part of the iOS development team.

  → Developer of a native iOS application for an existing Web application.

  → Worked on the development of a new application. Had to solve issues with memory management, networking and basic table views.

CONTESTS

- South American Contest ACM ICPC, Universidad de los Andes, Fifth place, 2009
- Third GEMIS-OE Programming Contest, Universidad EAFIT, First place, 2009

CONFERENCES

2013

Pablo Orduña, Sergio Botero, Nicolas Hock, Elio Sancristobal, Mikel Emaldi, Alberto Pesquera Martin, Kimberley DeLong, Philip Bailey, Diego López-de-Ipiña, Manuel Castro, Javier Garcia-Zubia. *Generic integration of remote laboratories in learning and content management systems through federation protocols.* Frontiers in Education Conference (FIE). [To be presented in October 2013]

SKILLS

- Proficient with GNU/Linux and Mac OS X.
- Familiar with C, Objective-C, Python, Git scm, Shell Scripting.

LANGUAGES

- Spanish - Excellent (Native)
- English - Good (TOEFL iBT 97/120)
- Italian - Good (Level 11/16)

ENTREPRENEUR / STARTER PROJECTS @ ZINERGIA

Zinergia (Current)
Developer

Zinergia is a small business idea to build web and mobile applications.
Most projects are for the local fashion industry.

You can find us on `http://zinergia.co`

PERSONAL PROJECTS

- All projects and current work can be found at my GitHub profile
  (`https://github.com/sergiobuj/`)

- Business QR Card App for iPhone (Not in store anymore)

REFERENCES

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