

# Carlos Andres Ramirez

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CSS, Laboratory of Advanced Research B, University of Tsukuba.

## OBJECTIVE

To pursue a career in academic cognitive psychology. My goal is to accomplish an internationally recognized program of research in divided attention, dual task performance and automatic processing.

## Education

**M.Eng** (*ongoing*), Laboratory for Cognitive Systems Science,  
University of Tsukuba (Japan), 2013-present.

**B.Eng**, Bachelor of Systems and Computer Engineering,  
University of Los Andes (Colombia), 2003-2012.

## Awards and Fellowships

IBM Scholarship for best Colombian university students.  
Spanish: "IBM PLAN BECARIOS – STG", 2012.

## Journal Publications

**Article in preparation (drafts available upon request)**

Ramirez Carlos Andres, Makoto Itoh.

Cognition and memory databases in critical banking software systems operation for human error reduction.

## Conference presentations

Ramirez Carlos Andres, Makoto Itoh, Toshiyuki Inagaki (2013).

Error-proof principles in critical banking software systems operation for information quality improvement. Poster presented at SSI Conference, Shiga, Japan, November 2013.

## Employment

### **Chief Information Security Officer,**

Mi Plata S.A. Financial Services Company (Colombia), 2011-2012.

*I created from scratch the Information Security Unit and built the company's Information Security Management Software System. It was approved by the Financial Superintendency of Colombia (SFC) for national operation of the company. I developed critical skills for building software that allows better human-system interaction and takes into account psychology and behavior of users during system usage and during security-related events.*

**Lead Developer,** E-Learning Solutions (Colombia), 2007-2010.

*My job was to lead a team to re-build an old web platform built in ASP. I decided to go with Open Source tools so I took the Ruby/Rails approach. The project was successful and saved money that was being spent in commercial software licenses and hosting.*

**Open Source External Consultant,** Antai Group, (Colombia), 2008-present.

*I was part of the founders of this small startup. We provide secure software development and information security services using open source software tools. I am the main developer of OpenFirme, a project aimed at creating an open source front end to integrate different tools into a single reporting platform. Project is still in beta testing but the tool is being run by some Colombian banks.*

## Programming Languages

|             |           |  |           |
|-------------|-----------|--|-----------|
| <b>C</b>    | <i>/*</i> | <i>Native language since middle school. ;)</i> | <i>*/</i> |
| <b>Ruby</b> | <i>#</i>  | <i>7+ years of experience.</i>                 |           |
| <b>C++</b>  | <i>//</i> | <i>Used to be fluent, little rusty now.</i>    |           |
| <b>Go</b>   | <i>//</i> | <i>1+ years experience.</i>                    |           |

## Technologies

**Operating Systems:** Linux, OpenBSD, IBM iSeries.

**Misc:** dia, gcc, gdb, gedit, ruby, html, iptables, bash.

**Others:** OpenShift community, linux kernel building.

## Languages

|                            |  |
|----------------------------|--|
| <b>Spanish</b>             | <i>Native language.</i>                        |
| <b>English</b>             | <i>Fluent written and spoken.</i>              |
| <b>Japanese</b>            | <i>Basic spoken.</i>                           |
| <b>Portuguese, Italian</b> | <i>Fluent reading, Intermediate listening.</i> |

## Language Study Programs

University of Tsukuba, Japanese Class  
Ibaraki, Japan - Part Time, Fall-Winter 2012.

AIU Akita International University, Japanese Level 2  
Akita, Japan - Part Time, Spring 2009.

VCU Virginia Commonwealth University, **ELP** (English Language Program)  
Virginia, USA - Full Time, 2001-2002.

## Certifications

**ISO27001:2005 – Internal Auditor (2012)**  
*Certificate number SGS/SSC/CAI 27001:2005/003172/P/50677.*

**IMB iSeries/AS400 (2012) - IBM, Colombia, 18 weeks (144 hours).**

## Hobbies

**Reading** – *novels.*

**Martial arts** – *Karate, Kung-Fu.*

**Cultures, languages and traveling.**

**Programming contests** – *I have participated in different programming contests, specially for ACM (Colombia) and game programming contests. I started participating more than 10 years ago, even before I started college. My first contest was Retro Remakes competition 2003 in England, where I participated building a 2D remake of Nintendo game Faxanadu.*

## Passion

*Writing and languages are my big passion. Some big writers have labeled French as the language of love and romance and Italian as the language of spoiled little kids. After some years of traveling, reading and writing, I have come to the conclusion that Spanish is the language of passion, lust and desire.*

## References

*Available upon request.*