**Lic. Ernesto Marcelo Mislej**
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## Professional Objective

My academic activity in BI & KDD proccess, from foundation algorithmics to the presentation stage, gives me the knowledge to develop **high quality KDD and Information Visualization solutions**. Continuous research in new technologies and market trends are my strengths. They allow me to design **effective and strategic solutions** for different kind of business necessities.

You can contact me to offer a challenging technical position as **Information Visualization designer** or for my consultant services. I am able to travel for a short-mid period of time.

## Education

**MS in Computer Science**, December 2006
University of Buenos Aires, Argentina. (UBA)

**BS in Computer Science**, March 2002
University of Buenos Aires, Argentina. (UBA)

**RHCE in Red Hat Enterprise Linux 4**, April 2006
Red Hat, Inc.

## Employment History

**Senior IT & Software Advisor**
*AFIP. (Argeninian Bureau of Internal Revenue)*
*July 2002–Present*

I have worked evaluating and recommending software products and giving technology and architectural advisory for several projects.

*Projects:*

- Automatic Vehicle Location: August 2005–Present
  IT Project Leader. Design of an AVL Solution for truck Telelocation for Argentinian Custom. IT advisory, functional analisys, opensource & commercial solutions, GPS, GIS, Dashboard & Reporting design.
- Mobile Container/Vehicle Inspection System: August 2005–Present
  IT Project Leader. Design of an Mobile Container/Vehicle Inspection System Solution for Argentinian Custom. IT advisory, functional analisys, network security, performance test, reliability, availability & other issues.
- ASP.NET Guidelines & Best Practices: July 2006–September 2006
  Design of Guidelines & Best Practices for internal Agile Software Developments in ASP.NET. Configuration management, versioning, coding standards, reusable components.
- Geographic Information Systems: November 2005–September 2006
  Design of a GIS Solution. IT advisory, functional analisys, opensource & commercial software components, spatial DB, UI design.
- Learning Management System: March 2004–January 2006
  Design of a eLearning Solution. IT advisory, functional analisys, opensource & commercial solutions, SCORM, offline interactivity.
- System Monitoring Dashboard Design: November 2005–December 2005
  Design of a System Monitoring Dashboard Design for AFIP's NOC. Functional analisys, real-time events, opensource & commercial chart components, visualization system development.
- BI Components: July 2005–November 2005
  Design of a BI Solution. IT advisory, functional analisys, opensource & commercial chart components, Balance

Scorecard, dashboard design.

- Enterprise Messaging & Integration System: November 2004–October 2005
  Design of an Enterprise Integration Solution. IT advisory, MOM, EAI, ESB, SOA, Web Services for Integration, JMS & others protocols, opensource & commercial solutions, security, performance test, reliability, availability & other issues.

- CMS & IR System: September 2003–August 2005
  Design of a CMS & IR Solution. IT advisory, functional analisys, opensource & commercial solutions, XML DBs, indexing, IR performance issues, presentation layer design.

- System Monitoring: July 2002–August 2004
  Design of a System Monitoring Solution. IT advisory, functional analisys, opensource & commercial solutions, network dashboard design, network security, performance test, reliability, availability & other issues.

**Academic Experience**
*University of Buenos Aires, Argentina. (UBA)*
*2000–Present*

*Projects:*
- Algorithmics for non-Informatics Students: March 2007.
  Professor in an Algorithmics for non-Informatics Students Course (15 Hours) in the Master of Data Mining & Knowledge Discovery (UBA).

- Machine Learning: Fall 2007(current) and 2 semesters more since 2005.
  TA in a ML Course in the Master of Data Mining & Knowledge Discovery (UBA). Professor: Mg. Eduardo Poggi.

- Information Visualization: Fall 2007(current) and 6 semesters more since 2003.
  TA in a Infovis Course in the CS Department of University of Buenos Aires (UBA). Professor: Lic. Ariel Aizemberg.

- Data Mining: 6 semesters in the period 2000–2002.
  TA in a Data Mining Course in the CS Department of University of Buenos Aires (UBA). Professor: Lic. Ariel Aizemberg.

**Web Programmer & Designer**
*AFIP. (Argeninian Bureau of Internal Revenue)*
*Jaunary 1999–July 2002*

Web Programmer & Designer in a small development team. I participated in the development of a CRM and an issue-tracking software in open platforms.

**Information Visualization Researcher**
*CoreST. "DARPA's Cybersecurity Visualization Workshop"*
*April 2002–July 2002*

Research in Information Visualization for Network Security and Network Intrusion Detection.

## Skill Portfolio & Interest

*BI & KDD:* Information Visualization, Machine Learning, Web Information Retrieval, Data Mining, GIS, Algoritmics, Graph Teory, GIS, Collaborative Filtering.

*CHI Engineering:* Web Design, Usability, Human Computer Interaction, User Centered Design.

*Programming language:* Python, Java, Perl, C/C++, VB.Net, C#, Scripting langs.

*W3C & other Standards:* XML, (X)HTML, XSLT, (FO)XSL, CSS, SVG, DocBook, XUL, XAML.

*Web 2.0:* AJAX, DOM, JavaScript, JSON, RSS.

*Languages:* Spanish (native speaker), English (fluent reader and writer, good speaker).

## Miscellany

For my MS thesis I have designed **Cocovas**: an Information Visualization system for Internet IR systems which uses a novel Visual Metaphor unifying in a single view the representation of the similarity and the relevance of document results. You can learn more about this project in the Cocovas's Page.

You can paste my **CN 804006028920120** into the Red Hat Certificate Verification Service to verify my certificate.