HUGO OSVALDO BARRERA

PERSONAL INFORMATION

born	Buenos Aires, Argentina · 16th June 1987
email	hugo@barrera.io
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github	hobarrera

ACADEMIC EXPERIENCE

June.2013–Current
UPCR Labs, UP · Buenos Aires

Soft Computing Researcher
Research on various applications and implementation of multiple purpose evolutionary algorithms.

Apr.2011–June.2013
AIGroup, UP · Buenos Aires

Soft Computing Researcher
Research on various techniques to improve inteligent web crawling and web data mining.

TEACHING EXPERIENCE

Mar.2012–Current
Universidad de Palermo · Buenos Aires

Teaching Assistant
Instruction on basics of prodecural programming and best practices to Computer Engineering students.

Apr.2009–Oct.2010
UNPSJB · Comodoro Rivadavia

Teaching Assistant
Instruction on basics of prodecural programming and basics of low-level computing to Computer Science students.

PROFESSIONAL EXPERIENCE

March.2013–March.2014
Assia Inc · Buenos Aires

Software Developer
Frontend Developer, responsible for all aspects of development, design and maintenance of web-based software in a Java and JSF. Broad ownership of technical tasks including the study, analysis, design and programming of new and existing applications and functionality.

Jun.2012–March.2013
Wikilife · Buenos Aires

Software Developer
Contributions to both design and development of wikilife's main backend, which handles and performs complex manipulation on high volumes of health-related information, and analysis of various related statistics.

Aug.2011–Jun.2012
Tultix · Buenos Aires

Java Software Developer
Creation of various java web-based application, including several data-processing and format-conversion systems.

Dec.2010–May.2011
SAP AG · Buenos Aires

IT Support Specialist	First-level IT support for SAP staff, both locally and remotely.

	Dec.2009–Oct.2010 **DreamSys** · Comodoro Rivadavia
Software developer and Sysadmin	Development and maintenence of various web-based, desktop and mobile software applications, in Python, Java and Flex. Administration of related servers and networks, as well as onsite IT support in general.

	May.2008–Nov.2009 **UNPSJB** · Comodoro Rivadavia
Software developer and Sysadmin	On-site support to university staff and professors, and maintence of internal systems. Contributed to several improvements on deployment of new terminals.

FORMAL EDUCATION

	Current **Universidad de Palermo** · Buenos Aires
Engineering	***Computer Engineer*** · Knowledge in Maths, Physics and Software Engineering · New technologies development · Logic and abstract thinking · Informatics integration

	2010 incomplete **UNPSJB** · Comodoro Rivadavia
Bachelor's	***Bachelor in Computer Science*** · Advanced knowledge of Maths and Statistics · Low level computing

	2010 **UNPSJB** · Comodoro Rivadavia
Course	***Introduction to AI*** · Neural Networks · Genetic Algorithms · Sample applications and implementations

CONFERENCE PUBLICATIONS

E. Gorbatik, H.O. Barrera, E. Schneider Loaiza, F. Riaño Santiesteban, F. Gindre, M.D. López De Luise. "Web Crawling clustering on multidimensional space based on distance and its application to Opinion Mining". In: *TRIC V, CIS-IEEE*, June 2012, Argentina.

E. Gorbatik, H.O. Barrera, F. Gindre, M.D. López De Luise. "Smart web crawling with fuzzy clustering". In: *IADIS European Conference Data Mining*, July 2012, Portugal.

ADDITIONAL INFORMATION

Languages	ENGLISH · Native speech and writing SPANISH · Native speech and writing GERMAN · Basic writing

Interests	Standards Compliance · Open Source · Security · Code Correctness · Programming · LATEX · Interoperability · Open Source Hardware

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