## HUGO OSVALDO BARRERA

PERSONAL INFORMATION

born Buenos Aires, Argentina · 16th June 1987

email hugo@osvaldobarrera.com.ar

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info https://hugoosvaldobarrera.com.ar/

github hobarrera

ACADEMIC EXPERIENCE

Apr.2011–

**AIGroup** · Buenos Aires

Current

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-

**UNPSJB** · Comodoro Rivadavia

Oct.2010

Teaching Assistant

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

PROFESSIONAL EXPERIENCE

Jun.2012– Current

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-

**DreamSys** · Comodoro Rivadavia

Oct.2010

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

Bachelor's

 $\label{lem:computer Engineer} \textbf{Computer Engineer} \cdot \text{Knowledge in Maths, Physics and Software Engineering} \cdot \text{New technologies development} \cdot \text{Logic and abstract thinking} \cdot \text{Informatics integration}$ 

2010

**UNPSJB** · Comodoro Rivadavia

incomplete

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

English · Native speech and writing Spanish · Native speech and writing

GERMAN · Basic writing

 ${\it Interests} \hspace{1.5cm} {\it Standards Compliance} \hspace{0.1cm} \cdot {\it Open Source} \cdot {\it Security} \cdot {\it Code Correctness} \cdot \\$ 

 $Programming \cdot \LaTeX \cdot Interoperability \ \cdot Open \ Source \ Hardware$ 

February 1, 2013