

ALEJANDRO MACHADO

User Experience Researcher & Designer

alejandro@magia.se
(412) 273-5827
www.magia.se

EDUCATION

- DEC 2014
Carnegie Mellon University
Master's in Human-Computer Interaction
- JUN 2013
Universidad Simón Bolívar, Venezuela
B. Sc. in Computer Engineering, Cum Laude
GPA: 4.56/5.00
Bachelor's thesis awarded Honorable Mention
Received the Best Student Award in 2011
- JUN 2012
Lund University, Sweden
Exchange Student of Computer Science

EXPERIENCE

- AUG 2013
Team leader in disCONNECT at MAKEwithMOTO
Hardware project using ideation and rapid prototyping
<http://magia.se/disconnect>
- Q1-Q2 2012
Research Internship at Spotify, Sweden
"Recognizing artist ambiguity with machine learning techniques"
- Developed a system that detects music artists with the same name erroneously merged as a same artist entity.
 - The 200 most popular artists were fixed manually, which fixed 99% of the issues that triggered users' complaints.
- 2008-2011
Teaching Assistant at Universidad Simón Bolívar
Discrete Structures, Symbolic Logic, Computer Organization

ACTIVITIES

- PRESENT
Nature explorer
Amateur photographer
- 2009
Delegate at the Harvard National Model United Nations

RELATED COURSEWORK

- User-centered Research and Evaluation
- Interaction Design Fundamentals
- Methodology of Visualization
- E-learning Desing Principles

PUBLICATIONS

- A. Porco, A. Machado and B. Bonet. Automatic Reductions from PH into STRIPS or How to Generate Short Problems with Long Solutions. ICAPS 2013.
- A. Porco, A. Machado and B. Bonet. Automatic Polytime Reductions of NP Problems into a Fragment of STRIPS. ICAPS 2011.

PATENTS

- Systems and Methods for Recognizing Ambiguity in Metadata. U.S. Patent Application No. 61/657,678

TOOLS AND SKILLS

- Python
- Java
- C++
- vim
- Balsamiq
- HTML5/CSS3
- Heuristic evaluation
- Think-aloud

LANGUAGES

- Spanish
- English
- Swedish
- Basic Portuguese