

ALEJANDRO FLORES V.

PERSONAL INFORMATION

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EDUCATION

*Ph.D. in
Computer Science* 2015-present University of Maryland, College Park
Second Year Ph.D. student. Interested in Computational Geometry, and
Theoretical CS in general.

*B.Eng. in
Computer Science* 2009-2014 Universidad Simón Bolívar
Cum Laude (GPA 4.269/5)
Specialization in Algorithm Design & Artificial Intelligence. Bachelor's thesis
"Bio-inspired Metaheuristics for Instance Selection" awarded *Outstanding Honorable
Mention*, under the supervision of Prof. Emely Arráiz.

PUBLICATIONS

*Data Integration
in the Life Sciences* June, 2015 Combining Multiple Knowledge Sources: A Case
Study of Drug Induced Liver Injury
Casey L. Overby, **Alejandro Flores**, Guillermo Palma, Maria-Esther Vidal,
Elena Zotkina, Louiqa Raschid

*9th Alberto
Mendelzon
Workshop* May, 2015 Exploiting Semantics to Predict Potential Novel
Links from Dense Subgraphs
Alejandro Flores, María-Esther Vidal and Guillermo Palma

*COLD workshop
at 12th ISWC* October, 2013 Choosing Between Graph Databases and RDF
Engines for Consuming and Mining Linked Data
Domíngó De Abreu, **Alejandro Flores**, Guillermo Palma, Valeria Pestana, José
Piñero, Jonathan Queipo, José Sánchez and María-Esther Vidal

POSTERS / DEMOS

*11th ESWC
Posters & Demos* May, 2014 Graphium Chrysalis: Exploiting Graph Database
Engines to Analyze RDF Graphs
Alejandro Flores, Guillermo Palma and María-Esther Vidal

*12th ISWC
Posters & Demos* October, 2013 GRAPHIUM: Visualizing Performance of Graph
and RDF Engines on Linked Data
Alejandro Flores, Guillermo Palma, María-Esther Vidal, Domíngó De Abreu,
Valeria Pestana, José Piñero, Jonathan Queipo and José Sánchez

TUTORIALS

11th ESWC May, 2014 Semantic Data Management in Graph Databases
Alejandro Flores, María-Esther Vidal, Edna Ruckhaus, Maribel Acosta and
 Cosmin Basca

WORKING EXPERIENCE

2015-present Teaching Assistant
 University of Maryland Working as a Teaching Assistant for the *Department of Computer Science* at UMD, leading discussion sessions for CMSC 131, 132 and 423.

2014-2015 Teaching Assistant
 Universidad Simón Bolívar I worked as a teaching assistant for the *Department of Computer Science and Information Technology* at *Universidad Simón Bolívar*, helping with the courses *Symbolic Logic* and *Algorithm Design I and II*.

2013-2014 Undergraduate Research Assistant
 Universidad Simón Bolívar I've been an undergraduate research assistant for the *Department of Computer Science and Information Technology* at *Universidad Simón Bolívar*, as a member of the GRAPHIUM project, under the supervision of professor *María-Esther Vidal*.

2012 Undergraduate Teaching Assistant
 Universidad Simón Bolívar As an undergraduate teaching assistant for the *Department of Computer Science and Information Technology* at *Universidad Simón Bolívar*, I taught the Lab courses of *Algorithms & Data Structures I and III* (i.e. Computer Science 101 and Graph Theory).

2012-present Co-founder/Lead Developer
 Venezuela Inteligente *Venezuela Inteligente* is a civil rights organization that promotes the use of technology for the benefit of society. As part of this organization, I've developed two projects:

1. ComoVotar.com (*How to vote?* in spanish) is an interactive website that simulates the entire electronic voting process in Venezuela; it has been used by over one million people.
2. VeSinFiltro.com (*Watch without filter* in spanish) was built to help internet users in Venezuela to overcome the increasing censorship both on TV and the Internet. Used by over 25 thousand people to date.

2010 Developer
 VotoJoven *VotoJoven* is a civil rights organization that promotes the vote among the youth in Venezuela. For the 2010 parliamentary elections in Venezuela, I developed an interactive website to help people understanding the complex election process it was about to take place. More than 220.000 people visited it the week before the elections. This was the previous work for ComoVotar.com

COMPUTER SKILLS

Programming Languages C/C++, JAVA, R and HASKELL (Solid knowledge).
 PYTHON, MATLAB, PROLOG and PASCAL (Basic knowledge).

API's/Others NEO4J, SPARKSEE, SPARQL, SQL.

Markup&Web L^AT_EX, HTML+CSS, JAVASCRIPT, Jekyll.

Operating Systems Mac OS X, Linux, Windows.

OTHER INFORMATION

ACM-ICPC

2013 · Ranked 4th (1st in Venezuela) at the South America-North Regional Contest. Ranked 2nd on the local contest. Team "FTL".

2012 · Ranked 18th (4th in Venezuela) at the South America-North Regional Contest. Ranked 1st on the local contest. Team "FTL".

2011 · Ranked 37th (8th in Venezuela) at the South America-North Regional Contest. Ranked 3rd on the local contest. Team "Faster Than Light".

Awards

2015-2016 · Dean's Fellowship, University of Maryland.

2015 · AMW (Alberto Mendelzon Workshop) Travel Award.

2013 · Student Travel Award for the 12th ISWC (*International Semantic Web Conference*) at Sydney, Australia. I was also a Student Volunteer at the conference.

2012 · First team at the CEIDEC Programming Contest. Team "FTL" (Alejandro Flores, Simón Castillo and Jonathan Queipo).

2001–2009 · Venezuelan Mathematical Olympiad.

National contests: 2 bronze medals and 1 honorable mention.

Regional contests: 3 gold , 1 silver and 1 bronze medals.

2005–2009 · Best Student award at High School.

Languages

SPANISH · Mother tongue

ENGLISH · Fluid