

Guillermo Rodríguez Cano

software engineer / researcher

contact

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linkedin://wileeam in

github://wileeam 🐙

http://csc.kth.se/~gurc/ 🏠

programming

</> Java, C/C++, Objective-C

Python, Ruby, R

HTML5, CSS3 & Javascript

interests

❤️ scalable backend design

distributed systems

social data analytics

❤️ privacy-preserving tools

system administration

network planning

❤️ finance & trading

graph theory

skills

▶ team player

curious mind

▶ result driven

initiative

self organised

management

languages

native spanish

professional english

beginner swedish & french

hobbies

👍 strength training

swimming

digital photography

urban cycling

👍 oil painting

reading & traveling

DIY projects

experience

- jun-oct 2016 **Palo Alto Research Center** (Xerox Corporation) Palo Alto, California, USA
Visiting Researcher
Privacy-preserving methods for data mining of graph-based large-scale datasets and databases.
- since 2011 **KTH Royal Institute of Technology** Stockholm, Sweden
Researcher
Research on applied graph theory, social network analysis, distributed systems, data mining, security and privacy in the area of (decentralised) online social networks.
 - Large-scale graph data warehousing and, analysis with R, Python and Tableau.
 - Analysis, design and evaluation of security and privacy protocols in Online Social Networks.
- 2011–2012 **DataWeb Research Group** (University of Valladolid) Valladolid, Spain
Research Associate
Technical advice for “Binary RDF Representation for Publication and Exchange” project.
 - API design, development and documentation of W3C member submission.
- mar-jun 2010 **MoBiVAP Research Group** (University of Valladolid) Valladolid, Spain
Software Engineer
Research support for the private-public partnership project “Accessible heritage: R&D&i for a culture without barriers”.
 - Engineering and development of a semantic analysis and smart taxonomy search assistant.
 - Overall improvement of the hierarchical categorisation of heritage reporting system.
- 2005–2006 **ITC Services** (University of Valladolid) Valladolid, Spain
Software Engineer Intern
Design and development in the university-wide smart-card project “Applications’ development for UVa smart-card”.
 - Engineering and implementation of features for students and staff at the university’s automated self-service machines.

education

- since 2011 **Ph.D. in Computer Science** (candidate) KTH Royal Institute of Technology, Sweden
Topic: “Modeling of privacy-preserving decentralized online social networks”.
 - Part of the research project: “PeerSoN: Privacy-Preserving P2P Social Networks”.
- 2010 **M.Sc. in Computer Science** Uppsala University, Sweden
Thesis: “Configuration of hyper-graph based feature diagrams”.
 - Part of the research projects: “Model-Driven Software Product Line Development” and “Development, Integration and Evolution of Software Systems: A Product Line Perspective”.
- 2008 **B.Eng. in Computer Science** (Systems) University of Valladolid, Spain
Thesis: “Software product lines and feature models. A case study in the associationism phenomenon”.
 - Awarded 9.8/10 grade with honours.

projects

- since 2011 **PeerSoN** Academic Research
<http://www.peerson.net/>
Framework for a secure, distributed and privacy-preserving peer-to-peer infrastructure supporting the most important features of online social networks.
- 2011–2012 **RDF/HDT** Open Source
<http://www.rdfhdt.org/>
Compact binary RDF representation format addressing the exchange, indexation and consumption of large datasets in the web of data.