# Curriculum Vitae

## Personal Data


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|---|---|
| Name | Fernando Tarín Morales |
| Nationality | Spanish |
| E-mail | tarin.f@gmail.com |


## Higher Education

2004 - 2010 **Technical University of Valencia**
*Computer Engineering, Specialization in Software Engineering*

2010 - 2011 **Technical University of Valencia**
*Master in Software Engineering, Formal Methods and Information Systems*

2013 - now **The University of Tokyo**
*PhD Student at the Computer Science Department*

## Knowledge

**Programming Languages:**
C/C++, Python, Shell Scripting (Bash), SQL.
Knowledge of Java.

## Experience

2013 - now **National Institute of Informatics at the National Center of Sciences of Japan**
*Research assistant at professor Honiden's laboratory*
*http://www.honiden.nii.ac.jp/*
Research assistant at professor Honiden's laboratory. Working on internal research groups and my own research thesis based on logic resolutors and logical computable languages.

2009 - 2010 **Technical University of Valencia**
*Researcher at ELP*
*http://users.dsic.upv.es/grupos/elp/index.html*
Fellow of the ministry to develop my thesis. The thesis establishes a prototype model to generate specialized solvers for Datalog.

## Publications

**Fernando Tarín**, Fuyuki Ishikawa, Shinichi Honiden. DBPL 2015. "Abstract Rewriting Approach to Solve Datalog Programs"

**Fernando Tarín**, Christophe Joubert, Marco A. Feliú. *Electronic Communications of the EASST:35*, 2010.
"Evaluation Strategies for Datalog-based Points-To Analyses"

## Software Projects

**Lince**
*http://lincetorrent.sourceforge.net/*
Bittorrent client developed in C++ and Python

**Wepdecrypt**
*http://wepdecrypt.sourceforge.net/*
Program to audit the security of wireless networks developed in C.

**Ōkami**
*https://github.com/Nan-Do/okami*
Okami is a next generation solver for Datalog. It is based on the specialization of a Datalog's resolution technique to compile a program into a effcient relational algebra abstract machine.

**Sudoku-tools**
*https://github.com/Nan-Do/sudoku-tools*
Tool designed to generate, solve and validate high quality sudokus developed in Python.

**Wspy**
*https://github.com/Nan-Do/wspy*
Wireless intrusion detection system developed in Python.

**Other Repositories**
*https://github.com/Nan-Do/*
Mainly side projects to explore interesting ideas and repositories with my solutions to some web coding challenges like *Project Euler* (top 2%), *4clojure.com* (all solved), or *codewars*(3 kyu).

## Honors and Awards

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| 2013 | Japanese Government (Monbukagakusho) Scholarship. |
| 2010 | Spanish Ministry of Education Scholarship. |

## Skills and Interests

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| Languages | Spanish (Native), Catalan/Valencian (Native), English (Fluent), Japanese (Basic) |
| Interests | Cooking, reading, computers and discrete math.<br>Taking part on online courses (Coursera, Udacity, etc. . . ).<br>Practicing a healthy life style including nutrition and fitness. |