Leandro Ezequiel Nahabedian

Curriculum Vitae

Educación

2015–	**Estudiante de Doctorado en Ciencias de la Computación**.
2007–2014	**Licenciado en Ciencias de la Computación**, *Universidad de Buenos Aires, Argentina*.
2007–2013	**Analista Universitario en Computación**, *Universidad de Buenos Aires, Argentina*.

Tesis de Licenciatura

Título *Hot-Swap: Una técnica para la generación y actualización automática de controladores discretos en tiempo de ejecución*

Director Dr. Nicolás D'Ippolito

Descripción Producir software que opera continuamente es un atributo de calidad muy común y posee muchas aplicaciones. Por lo tanto, existe una necesidad de idear técnicas que pueden cambiar un sistema sin frenar o interrumpir su ejecución cuando se produce un cambio en el ambiente y/o en los requerimientos.

En esta tesis, trabajamos el problema de realizar una actualización de controlador dinámicamente cuando la especificación de un sistema cambia (tanto las asunciones del ambiente como los requerimientos).

Presentamos una solución general que, no solo produce un controlador que satisface la nueva especificación y maneja la transición de uno al otro, sino que también, a diferencia de los trabajos ya existentes, forzamos al sistema actual a un estado, el cual, dicha transición puede ocurrir. A su vez, usando síntesis de controladores mostramos como construir automáticamente un controlador que garantiza que la actualización sucederá, y además, que dicha actualización será de manera segura.

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Experiencia Academica

Mar 2014
Jun 2014
Investigador asistente, *National Institute of Informatics*, Tokyo, Japón.

Investigación en ingenieria del software en síntesis de controladores con un efoque en software auto-adaptables. Desarrollé una nueva técnica en la herramienta MTSA para construir controladores que permiten cambios en el ambiente y asegura nuevos objetivos sin detener o interrumpir el sistema.

El trabajo realizado en mi tesis de Licenciatura se inicia en esta pasantía que fue llevada a cabo en Tokyo, Japón y supervisado por el Dr. Nicolás D'Ippolito y el Dr. Kenji Tei. La herramienta MTSA fue desarrollada en JAVA y usted puede bajarlo del siguiente link `http://sourceforge.net/projects/mtsa`.

Teaching Experience

Mar 2009
Nov 2009
Tutor, *Freelance*, Buenos Aires, Argentina.

I gave tutorials to high school students. Tutorials were of mathematics, physics and English subjects. These students attended to special schools to complete their studies.

Industrial Experience

Nov 2012
Mar 2015
Project Leader / Developer, *National Ministry of Interior*, Argentina.

I coped with different tasks that requires programming in many languages. Mainly, I used to work with PYTHON but also I worked with JAVA and PHP. Usually I worked in back-end.

Then, I also work as a Project leader. We had to assign the time that each media outlet gave to each political party for their advertising campaign for 2013 and 2015 Argentine elections. Our system also provide a web application that allow the media outlets and the political parties to communicate between them, so as to decide which TV spot they will use and when.

May 2012
Oct 2012
Python developer, *Core Security Technologies*, Buenos Aires, Argentina.

Company that develops software for analysis of vulnerabilities. My work consist in developing PYTHON code to build a system that allowed to add, remove or edit tasks in UNIX crontab file.

Another project was to initiate a server in a virtual machine with OPENBSD to be used as a web server. To achieve this goal I had to install all the packages needed to build a web service.

May 2010
Dic 2010
ActionScript2/Python developer, *MetroGames*, Buenos Aires, Argentina.

Company that makes video games for social networks. I was one of the developers of a particular game called Fashion World. The design patter that we used to implement that game was MVC and the language was ACTIONSCRIPT2.

Afterwards, I worked with PYTHON to make systems to be used within the company. These programs were part of the internal infrastructure of the company. For instance, a system that manage the deployment of a project.

Feb 2010
May 2010
Web developer, *Intelligenx*, Buenos Aires, Argentina.

I did an internship for this company where I had two projects.

First, I configured an application using XPATH and REGULAR EXPRESSIONS. By doing this, the tool fill a database with information about stores of different companies.

After that, we produce a web page that used the data obtained before so as to provide yellow pages service. We used JAVA to create the application.

Honors & Awards

Ago 2012
Ago 2014
ICT Scholarship, *Ministry of Science, Technology and Productive Innovation, Argentina.*

I got a scholarship for two years awarded by the Ministry of Science and Technology of the Republic of Argentina to get the degree in master in computer science. The beneficiaries of this plan were chosen based on the number of test taken, the years undertaken in the study and obtained grade point average.

Languages

Spanish **Mothertongue**

English **Bilingual** *First Certificate in English in 2006 with C grade*

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