

León Illanes

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EDUCATION

University of Toronto, Toronto, ON, Canada

- Ph.D. in Computer Science Sep 2014 – Present
 - Supervisor: Professor Sheila McIlraith
 - Research areas: Artificial Intelligence, Automated Planning, Knowledge Representation

Pontificia Universidad Católica de Chile, Santiago, Chile

- Master of Engineering Sciences, Dept. of Computer Science Jul 2011 – Dec 2013
 - Thesis: Reconnection with the ideal tree: a new approach to real-time search
 - Supervisor: Professor Jorge Baier
 - Research areas: Artificial Intelligence, Automated Planning, Real-time Search
 - Graduated with Maximum Distinction
- Degree in Computer Engineering Mar 2006 – Dec 2013
 - Six year engineering programme. Includes four year Bachelor's Degree and two further years of specialisation.

RESEARCH EXPERIENCE

Pontificia Universidad Católica de Chile, School of Engineering, Dept. of Computer Science

- Graduate Research Student, Department of Computer Science Jul 2011 – Dec 2013
 - Projects: Automated Planning with Preferences Real-time Heuristic Search
 - Supervisor: Professor Jorge Baier
 - Research areas: Artificial Intelligence, Automated Planning, Real-time Search.
- Undergraduate Research Student, Department of Computer Science Mar 2011 – Jun 2011
 - Project: Automated Planning with Preferences
 - Supervisor: Professor Jorge Baier
 - Research areas: Artificial Intelligence, Automated Planning.

PUBLICATIONS

JOURNALS

- [1] N. Rivera, L. Illanes, J.A. Baier, and C. Hernández, "Reconnection with the Ideal Tree: A New Approach to Real-Time Search," *Journal of Artificial Intelligence Research*, vol. 50, pp. 235–264, Jun 2014.

CONFERENCES

- [2] L. Illanes, and S.A. McIlraith, "Numeric Planning via Search Space Abstraction (Extended Abstract)," in *Proceedings of the 9th Annual Symposium on Combinatorial Search*, Tarrytown, New York, USA, Jul 2016.
- [3] N. Rivera, L. Illanes, and J.A. Baier, "Real-Time Pathfinding in Unknown Terrain via Reconnection with an Ideal Tree," in *Proceedings of the 14th Ibero-American Conference on Artificial Intelligence*, Santiago, Chile, Nov 2014.
- [4] N. Rivera, L. Illanes, J.A. Baier, and C. Hernández, "Reconnecting with the Ideal Tree: An Alternative to Heuristic Learning in Real-Time Search," in *Proceedings of the 6th Annual Symposium on Combinatorial Search*, Leavenworth, Washington, USA, Jul 2013.

WORKSHOPS

- [5] L. Illanes, and S.A. McIlraith, "Numeric Planning via Search Space Abstraction," in *Proceedings of the Workshop on Knowledge-based Techniques for Problem Solving and Reasoning*, New York City, New York, USA, Jul 2016.

ACADEMIC AWARDS

- Departmental Entrance Scholarship (DES), University of Toronto 2014 – 2016
Awarded to select students on their first two years at the University of Toronto.
- DCS Funding for Graduate Studies, University of Toronto. 2014 – Present
Funding for graduate studies at the University of Toronto.
- Best Student Paper Award at *6th Symposium on Combinatorial Search* 2013

TEACHING EXPERIENCE	University of Toronto, Dept. of Computer Science	
	<ul style="list-style-type: none"> Teaching Assistant, <i>Introduction to Artificial Intelligence</i>. 	2015 – 2017
	Pontificia Universidad Católica de Chile, Dept. of Computer Science	
	<ul style="list-style-type: none"> Teaching Assistant multiples times for courses including: <i>Introduction to Programming, Discrete Mathematics, Automata Theory and Formal Languages, Artificial Intelligence</i>. 	2009 – 2013
SERVICE	Conference sub-reviewer for:	
	<ul style="list-style-type: none"> 26th International Conference on Automated Planning and Scheduling (ICAPS 2017). 31st AAAI Conference on Artificial Intelligence (AAAI 2017). 8th Annual Symposium on Combinatorial Search (SoCS 2016). 30th AAAI Conference on Artificial Intelligence (AAAI 2016). 29th AAAI Conference on Artificial Intelligence (AAAI 2015). 25th International Conference on Automated Planning and Scheduling (ICAPS 2015) 	
PROFESSIONAL EXPERIENCE	Synopsys , Santiago, Chile	
	<ul style="list-style-type: none"> Research & Development Engineer 	Jan 2014 – Jun 2014
	Worked on semiconductor photomask manufacturing software (CATS).	
	Apella , Santiago, Chile	
	<ul style="list-style-type: none"> Co-founder and CTO <ul style="list-style-type: none"> Think tank web-platform for increasing citizen participation in politics Medical platform for communication of physicians and patients 	Mar 2012 – Jan 2013
	Nimbic , Santiago, Chile	
	<ul style="list-style-type: none"> Software Engineering Intern 	Dec 2011 – Jan 2012
	Worked on billing scheme for cloud based Electronic Design Automation platform.	
LANGUAGES	<ul style="list-style-type: none"> Spanish: Native language. English: Fluent, native level (speaking, reading, writing). 	<i>Bilingual Diploma, IBO 2006</i>
OTHER SKILLS	Programming Languages	
	Fluent: C, C++, Python	
	Proficient: Matlab, Java	
	Forgotten: Clojure, Prolog	
	Operating Systems	
	Linux, Windows, OS X	
	Other	
	LaTeX, HTML	

[CV compiled on 2017-02-23]