

Jose Picado

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EDUCATION

Ph.D. **Oregon State University** **Expected June 2019**
Doctor of Philosophy in Computer Science
GPA: 3.85/4.0
Major areas: Database Management and Machine Learning

M.S. **Wake Forest University** **May 2013**
Master of Science in Computer Science
GPA: 4.0/4.0
Thesis: "Efficient Information Extraction Using Statistical Relational Learning"

B.S. **Costa Rica Institute of Technology** **February 2011**
Bachelor of Science in Computer Science
GPA: 89.93/100

PROFESSIONAL AND RESEARCH EXPERIENCE

Ph.D. Candidate **Oregon State University** **September 2013 - Present**

- Performed research on relational learning, machine learning and database management.
- Developed Castor, a scalable and representation independent relational learning system.
- Developed AutoMode, a system that automatically induces the language bias for relational learning algorithms.
- Teaching assistant for the Data Structures, Web Development, and Database Management Systems courses.

Research Intern **Microsoft, Gray Systems Lab, Data Group** **June 2017 – September -2017**

- Performed a survival study of cloud databases in the Microsoft Azure SQL Database service.
- Developed a machine learning classifier that predicts the lifespan of databases based on telemetry data.

Graduate Technical Intern **Intel Corporation, Client R&D, Client Computing Group** **June 2015 - September 2015**

- Developed a desktop application for performing handwriting recognition and synthesis using WPF and Direct Ink.
- Developed libraries to perform gesture recognition on touchscreen devices.

Graduate Technical Intern **Intel Corporation, Client Solutions and Technology, PC Client Group** **June 2014 - September 2014**

- Developed gesture modules to improve user experience on touchscreen devices. Filed patent Multi-Touch Virtual Mouse.
- Experimented with machine learning models for prototyping algorithms using Ultrabook's sensor fusion.

Research Assistant **Wake Forest University** **September 2011 - May 2013**

- Developed an information extraction system supported by domain knowledge.
- Developed a system to verify adverse drugs events based on text patterns and similarities with literature found on the web.

Software Engineer **Avantica Technologies** **July 2010 - May 2011**

- Developed plugins in Perl and Java for Electric Commander, an integrated building tool developed by Electric Cloud.
- Performed analysis, design, development, testing, and deployment of plugins for the following tools: VMware Lab Manager, VMware ESX, Microsoft Hyper-V, Amazon EC2, Oracle VM VirtualBox, NAnt, and Sonar.

PUBLICATIONS

- **J. Picado**, W. Lang, E. C. Thayer. Survivability of Cloud Databases – Factors and Prediction, *Proceedings of the ACM SIGMOD International Conference on Management of Data (SIGMOD)*, June 2018.
- **J. Picado**, S. Pathak, A. Termehchy, A. Fern. AutoMode: Relational Learning With Less Black Magic [Demo], *Proceedings of the IEEE International Conference on Data Engineering (ICDE)*, April 2018.
- **J. Picado**, A. Termehchy, A. Fern, P. Ataei. Schema Independent Relational Learning, *Proceedings of the ACM SIGMOD International Conference on Management of Data (SIGMOD)*, May 2017.
- **J. Picado**, Representation Independence and Scalability [Abstract], *Conference on Innovative Data Systems Research (CIDR)*, January 2017.
- **J. Picado**, Y. Chodpathumwan, A. Termehchy, A. Fern, Y. Sun, Towards Representation Independent Analytics Over Structured Data, *The First Data Wrangling Automation Workshop (DWA) at IEEE International Conference on Data Mining (ICDM)*, December 2016.
- **J. Picado**, P. Ataei, A. Termehchy, A. Fern. Schema Independent and Scalable Relational Learning by Castor [Demo],

Proceedings of the VLDB Endowment (PVLDB), vol. 9(13), pp. 1589-1592, September 2016.

- S. Natarajan, V. Bangera, T. Khot, **J. Picado**, A. Wazalwar, V. Santos Costa, D. Page, M. Caldwell. Markov Logic Networks for Adverse Drug Event Extraction from Text, *Knowledge and Information Systems Journal (KAIS)*, August 2016.
- **J. Picado**, A. Termehchy, A. Fern. Schema Independent Relational Learning, *Workshop on Machine Learning Systems at Neural Information Processing Systems (NIPS)*, December 2015.
- S. Natarajan, **J. Picado**, T. Khot, K. Kersting, C. Re, J. Shavlik. Effectively Creating Weakly Labeled Training Examples Via Approximate Domain Knowledge. *Proceedings of the 24th International Conference on Inductive Logic Programming (ILP)*, September 2014.

SERVICES

- *External reviewer: PVLDB 2014, PVLDB 2015, SIGMOD 2016, SIGMOD 2017, EDBT 2018, SIGMOD 2018.*

PATENTS

- Multi-Touch Virtual Mouse, Publication No.: WO2016105329 A1, Publication Date: 06/30/2016.
Applicant: Intel Corporation
Inventors: G. Ren, M. Lili, H. Ren, A. Kumar, J. Valavi, **J. Picado**, K. Dongre.
Description: A computer-implemented method that allows a touch input device such as a touch screen or track pad to be operated in mouse mode by touching the screen simultaneously with more than one finger.

AWARDS

- First Place in Microsoft Coding Challenge, Oregon State University, 2014-2015.
- Rickert Scholarship, Oregon State University, 2013.
- Upsilon Pi Epsilon, Wake Forest University, 2012.
- Academic Honors Scholarship, Costa Rica Institute of Technology, 2008-2010.