

## EDUCATION

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- **Oregon State University** Corvallis, OR  
*Doctor of Philosophy in Computer Science; GPA: 3.85* September 2013 – June 2019 (expected)
- **Wake Forest University** Winston-Salem, NC  
*Master of Science in Computer Science; GPA: 4.0* August 2011 – May 2013
- **Costa Rica Institute of Technology** Cartago, Costa Rica  
*Bachelor of Science in Computer Science; GPA: 89.93/100* February 2007 – December 2010

## EXPERIENCE

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- **Oregon State University** Corvallis, OR  
*Graduate Research and Teaching Assistant* September 2013 - Present
  - **Research Assistant:** Performed research on database management and machine learning. Developed Castor, a scalable relational learning system to perform concept learning over relational databases. Developed CastorX, an extension of Castor that learns over heterogeneous databases.
  - **Teaching Assistant:** Teaching assistant for the Introduction to Artificial Intelligence, Machine Learning and Data Mining, Introduction to Databases, Database Management Systems, and Web Development courses.
- **Microsoft** Madison, WI  
*Research Intern at Gray Systems Lab* Summer 2017
  - **Azure SQL DB:** Performed a survival study of cloud databases in the Microsoft Azure SQL Database service. Implemented a machine learning classifier that predicts the lifespan of databases based on telemetry data.
- **Intel Corporation** Hillsboro, OR  
*Graduate Technical Intern* Summer 2014 and Summer 2015
  - **Multi-Touch Virtual Mouse:** Designed and implemented gesture modules to improve the user experience on touchscreen devices. Filed patent Multi-Touch Virtual Mouse, publication no.: WO2016105329A1.
  - **Handwriting Synthesis:** Developed a desktop application for performing handwriting recognition and synthesis using Windows Presentation Foundation and Direct Ink.
- **Wake Forest University** Winston-Salem, NC  
*Graduate Research Assistant* August 2011 - May 2013
  - **ADE Discovery:** Built a system to extract adverse drugs events (ADEs) from medical literature using Markov logic networks and natural language processing.
  - **Information Extraction:** Developed a system that infers weakly-supervised examples for an information extraction task by using domain knowledge expressed in the form of first-order logic.
- **Avantica Technologies** San Jose, Costa Rica  
*Software Engineer* July 2010 - May 2011
  - **Plugin Development:** Developed plugins in Perl and Java for Electric Cloud's ElectricCommander (now called ElectricFlow), a continuous integration tool.

## PUBLICATIONS

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- J. Picado, A. Termehchy, A. Fern, P. Ataei. Logical Scalability and Efficiency of Relational Learning Algorithms, VLDB Journal, 2018.
- J. Picado, W. Lang, E. C. Thayer. Survivability of Cloud Databases – Factors and Prediction, SIGMOD, 2018.
- J. Picado, A. Termehchy, S. Pathak. Learning Efficiently Over Heterogeneous Databases, PVLDB, 2018.
- J. Picado, A. Termehchy, A. Fern, P. Ataei. Schema Independent Relational Learning, SIGMOD, 2017.
- 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, KAIS, 2016.

## PROGRAMMING SKILLS

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- Java, Python, C, C#, JavaScript, HTML, SQL, scikit-learn, pandas.