Jose Picado

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EDUCATION

- **Oregon State University** — Corvallis, OR
  Doctor of Philosophy in Computer Science; GPA: 3.85 — *September 2013 – June 2019*

- **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

- **Oregon State University** — Corvallis, OR
  Graduate Research and Teaching Assistant — *September 2013 – June 2019*
  - **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 number: 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 for Electric Cloud's ElectricCommander (now called ElectricFlow), a continuous integration tool.

PUBLICATIONS

- 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

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