

EDUCATION

- **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

- **Oregon State University** Corvallis, OR
Research and Teaching Assistant September 2013 - Present
 - **Research Assistant - Database Management and Machine Learning:** Performed research on relational learning, machine learning, and databases. Developed Castor, a scalable and representation independent relational learning system. Developed CastorX, a relational learning system that learns over heterogeneous databases.
 - **Teaching Assistant:** Teaching assistant for the Introduction to Databases, Database Management Systems, Introduction to Artificial Intelligence, Data Structures, and Web Development courses.
- **Microsoft, Gray Systems Lab, Data Group** Madison, WI
Research Intern Summer 2017
 - **Azure SQL DB:** 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.
- **Intel Corporation, Client R&D, Client Computing Group** Hillsboro, OR
Graduate Technical Intern Summer 2014 and Summer 2015
 - **Virtual Mouse:** Developed gesture modules to improve the user experience on touchscreen devices. Filed patent Multi-Touch Virtual Mouse, publication no.: WO2016105329 A1, publication date: 06/30/2016.
 - **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
Research Assistant August 2011 - May 2013
 - **ADE Discovery:** Developed a system to verify adverse drugs events (ADEs) based on text patterns and similarities with medical literature found on the web.
 - **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
 - **Electric Cloud:** Developed plugins in Perl and Java for ElectricCommander, a continuous integration tool developed by Electric Cloud.

PROJECTS

- **Relational machine learning:** Relational learning system to perform concept learning over relational databases. Published papers at SIGMOD 2017 and VLDBJ 2018.
- **Predicting the lifespan of cloud databases:** Survivability study of Microsoft Azure SQL databases. Machine learning classifier that predicts the lifespan of databases based on telemetry data. Published paper at SIGMOD 2018.
- **Extracting adverse drug events from text:** NLP-based extraction of adverse drugs events from medical literature using Markov logic networks. Published paper at KAIS 2016.
- **Learning to label Stack Overflow questions:** Prediction of tags for Stack Overflow questions using deep learning.

PROGRAMMING SKILLS

- Java, Python, C, C#, JavaScript, HTML, SQL.