

## Giselle Zeno

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CONTACT INFORMATION	<p>gzenotor [at] purdue [dot] edu <i>e-mail</i></p>	<p>gisellezeno.com <i>web</i></p>
RESEARCH INTERESTS	<p>My research interests are in data mining and machine learning on relational data, including information, communication, and social networks.</p>	
EDUCATION	<p><b>Purdue University</b>, West Lafayette, IN</p> <p>Ph.D., Computer Science, December 2021 (expected) M.S., Computer Science, (requirements completed)</p> <p><b>Awards:</b> GEM Fellowship, Frederick N. Andrews Fellowship</p> <p><b>Advisor:</b> Prof. Jennifer Neville Network Learning and Discovery Lab</p> <p><b>University of Puerto Rico</b>, Bayamón, PR</p> <p>B.S., Computer Science, August 2010 <b>Awards:</b> <i>Magna Cum Laude</i>, Honors Program scholarship, CS model student</p>	
RESEARCH EXPERIENCE	<p><b>Graduate Research Assistant</b> <i>Purdue University</i></p> <p><b>Advisor:</b> Prof. Jennifer Neville</p> <p><b>Research projects:</b></p> <ul style="list-style-type: none"><li>• Dynamic graph generative models for temporal networks (2018 – Present)</li><li>• Impact of graph structure and attribute correlation on performance of collective inference models (2015 – 2017)</li><li>• Stacking temporal classifications to improve accuracy and decrease uncertainty of predictions (2015)</li></ul> <p><b>Graduate Research Intern</b> <i>Lawrence Livermore National Laboratory</i></p> <p><b>Advisor:</b> Dr. Timothy La Fond</p> <p><b>Research Project:</b> Models for motif evolution in dynamic graphs</p> <p><b>Graduate Research Intern</b> <i>MIT Lincoln Laboratory</i></p> <p><b>Advisor:</b> Dr. William Campbell</p> <p><b>Research Project:</b> Collective inference on social networks with unbalanced class labels</p> <p><b>Undergraduate Research</b> <i>University of Puerto Rico</i></p> <p><b>Advisor:</b> Prof. Lillian Bras</p> <p><b>Research Project:</b> Analyzed and compared PageRank and ExpertRank (HITS) algorithms for ranking search results</p>	<p>Aug 2014 – Present West Lafayette, IN</p> <p>May 2018 – August 2018 Livermore, CA</p> <p>June 2015 – August 2015 Lexington, MA</p> <p>Jan 2010 – Aug 2010 Bayamón, PR</p>
PUBLICATIONS	<p><b>Giselle Zeno</b>, Timothy La Fond, and Jennifer Neville. 2021. <b>DYMOND: DYNAMIC MOTIF-NODES NETWORK GENERATIVE MODEL</b>. In <i>Proceedings of the Web Conference 2021 (WWW '21 Companion)</i>, April 19-23, 2021, Ljubljana, Slovenia.</p> <p><b>Giselle Zeno</b>, Timothy La Fond, and Jennifer Neville. 2020. <b>Dynamic Network Modeling from Motif-Activity</b>. In <i>Companion Proceedings of the Web Conference 2020 (WWW '20 Companion)</i>, April 20-24, 2020, Taipei, Taiwan.</p>	

**Giselle Zeno** and Jennifer Neville. 2016. **Investigating the Impact of Graph Structure and Attribute Correlation on Collective Classification Performance.** *12th International Workshop on Mining and Learning with Graphs (MLG)*, August 14, 2016, San Francisco, CA, USA.

Richard P. Lippmann, William M. Campbell, David J. Weller-Fahy, Alyssa C. Mensch, **Giselle M. Zeno**, and Joseph P. Campbell. 2016. **Finding Malicious Cyber Discussions in Social Media.** *MIT Lincoln Laboratory Journal* 22, 1, (2016), 46-49.

PRESENTATIONS     *The Web Conference (WWW '21)*     Apr 2021  
 DYMOND: DYnamic MOTif-NoDes Network Generative Model (Online)

*Mining Actionable Insights on Social Networks Workshop, at WWW '20*     Apr 2020  
 Dynamic Network Modeling from Motif-Activity (Online)

*Mining and Learning with Graphs Workshop, at KDD '16*     Aug 2016  
 Investigating the impact of graph structure and attribute correlation on collective classification performance

INDUSTRY     **Software Engineer Intern**, Graduate level     April 2014 – August 2014  
 EXPERIENCE     *Intel Corp*     Santa Clara, CA  
 Designed and implemented Python application for data mining workload profiles in order to guide simulation tracing architecture and workload selection for architectural studies.

**Software Developer**     Jan 2013 – April 2014  
*by professional services*     San Juan, PR  
 Provided consulting services for design and development of Drupal web applications.

**Senior Programmer**     Jan 2013 – May 2013  
*Evertec*     San Juan, PR  
 Implemented and integrated new features to existing web applications. Performed peer code reviews.

**Programmer Analyst**     June 2011 – Jan 2013  
*First BanCorp*     San Juan, PR  
 Gathered requirements, designed, and implemented mobile web applications using Java and Spring framework.

**Software Developer**     July 2009 – May 2011  
*PGES*     San Juan, PR  
 Analyzed requirements, designed, and implemented project management web applications using Drupal and PHP.

RELEVANT     Data Mining, Machine Learning, Statistical Network Analysis, Natural Language Processing,  
 COURSEWORK     Algorithms, Databases, Operating Systems, and Compilers

SKILLS     Programming Languages:  
               Proficient in Python, C++, C  
               Knowledge in Java, Scala, R, MATLAB

Other technical skills:  
               Python iGraph and NetworkX, Neo4j (graph database), SQL, Hadoop MapReduce,  
               Git version control