Jeremy L. Iverson
Curriculum Vitae

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Saint John's University   XXXX
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EDUCATION

2010–2016	UNIVERSITY OF MINNESOTA, Minneapolis, MN Ph.D. in Computer Science, Expected Fall 2016 Dissertation Adviser: George Karypis M.S. in Computer Science, 2013
2006–2010	SAINT JOHN'S UNIVERSITY, Collegeville, MN B.A. in Computer Science, 2010

PUBLICATIONS

Refereed Journal Articles
2015 "Evaluation of Connected-Component Labeling Algorithms for Distributed-Memory Systems". Jeremy Iverson, George Karypis, and Chandrika Kamath. *Parallel Computing*, Volume 44, 53–68, 2015.

Book Chapters
2014 "Big Data Frequent Pattern Mining". David Anastasiu, Jeremy Iverson, Shaden Smith, and George Karypis. In *"Frequent Pattern Mining"*, Charu C. Aggarwal and Jiawei Han (eds). Springer International Publishing, Switzerland, 2014.

Conference Proceedings
2015 "A Memory Management System Optimized for BDMPI's Memory and Execution Model". Jeremy Iverson and George Karypis. EuroMPI 2015.

2012 "Fast and Effective Lossy Compression Algorithms for Scientific Datasets". Jeremy Iverson, Chandrika Kamath, and George Karypis. Euro-Par 2012: 843–856.

2010 "Using Metrics to Quantify Similarity in Source Code: An Empirical Study Using VOCS". Jeremy Iverson, James Schnepf, and Imad Rahal. SEDE 2010: 269–274.

Technical Reports
2014 "Storing Dynamic Graphs: Speed vs. Storage Trade-offs". Jeremy Iverson and George Karypis. University of Minnesota Technical Report TR14-018, 2014.

2012 "Detection of Coherent Structures in Extreme-Scale Simulations". Chandrika Kamath, Jeremy Iverson, and George Karypis. Lawrence Livermore National Laboratory Technical Report LLNL-CONF-541611, 2012.

CONFERENCE PARTICIPATION

Papers Presented

2015 "A Memory Management System Optimized for BDMPI's Memory and Execution Model". EuroMPI, September 21–23.

2012 "Fast and Effective Lossy Compression Algorithms for Scientific Datasets". Euro-Par, August 27–31.

2010 "Using Metrics to Quantify Similarity in Source Code: An Empirical Study Using VOCS". SEDE, June 16–18.

TEACHING EXPERIENCE

University of Minnesota, Minneapolis, MN

Introduction to Parallel Computing, Co-instructor (S16)

Design and deliver weekly lectures, design and grade assignments, and hold office hours.

Introduction to Parallel Computing, Teaching Assistant (S12)

Gave two guest lectures, held office hours, and graded assignments.

Discrete Structures of Computer Science, Teaching Assistant (F10)

Lead weekly recitations, held office hours, and graded assignments.

SERVICES TO PROFESSION

2014 Reviewer for *Transactions on Knowledge Discovery from Data.*

2014 Reviewer for *Transactions on Services Computing.*

2013 Reviewer for *Transactions on Knowledge and Data Engineering.*

2012 Reviewer for *Journal of Parallel and Distributed Computing.*