Grady Jensen

Curriculum Vitae
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Research Interests

The ability of the brain to collect, aggregate, and sift through a non-stop flow of potentially conflicting information is deeply intriguing. I have a deep-seated interests regarding biological memory, learning, and the artificial means of replicating both through modelling spatio-temporal interactions. For more detailed information see my website.

Education

ongoing Ph.D., Systemic Neuroscience
Graduate School of Systemic Neurosciences,
Ludwig-Maximilians-Universität München, Germany

2013 M.Sc., Computer Science
University of Minnesota – Minneapolis, MN, USA
Advisor, Daniel Boley
Project, *Probabilistic Topic Models: Gamma-Poisson and Latent Dirichlet Allocation*

2008 B.A., Computer Science, Cum Laude
Luther College – Decorah, IA, USA
Minors in Mathematics and German

Work Experience

2018 – Ongoing Ph.D. Student Reseacher
Argmax.ai Volkswagen Group AI Research, Munich, Germany

2015 - 2018 Ph.D. Research Assistant
Bernstein Center for Computational Neuroscience Munich, Department of Biology II Neurobiology, Ludwig-Maximilians-Universitaet Munich, Germany

2008 – 2015 Software/Firmware Engineer
International Business Machines (IBM), Rochester, MN, USA
Projects:

2014 – 2015	Watson Clinical Trials Matching
2014 – 2015	Watson Solutions Natural Language Processing and Modelling
2013 – 2014	Unnamed Systems Management Application (Not yet released)
2013	Pure Systems Embedded Controller Development for Layer 2 Switch
2010 – 2013	Pure Systems Embedded Firmware Utilities and Libraries
2008 – 2010	Advanced Settings Utility (ASU) & Firmware Updates (xFlash)
2008	Java Build System Pipeline

Publications and Patents

2012 Method for Managing Error Logs and Trace across a Distributed Multi-host, Multi-switched, Multi- adapter Network Fabric. US Patent Num (8,996,925 and 8,990,642). Issued in May of 2015.

Non-published Academic Research Projects

2017 *CNN-based Segmentation of Medical Imaging Data*, Ludwig-Maximilians-Universitaet, Munich, Germany
https://arxiv.org/abs/1701.03056

2012 – 2013 *Probabilistic Topic Models: Gamma-Poisson and Latent Dirichlet Allocation*, University of Minnesota, Minneapolis, MN, USA
A theoretical comparison of a few probabilistic topic models that are purported to be equivalent, but whose form prevents easy verification, by showing similarities and divergences in a common format.

2011 *Reinforcement Learning of a Markov Adversarial Game through Stochastic Fictitious Play*, University of Minnesota, Minneapolis, MN, USA
Modelling of a game between competing algorithms with opposing objectives. A series of topologies are used to understand how states in the system evolve over time to produce strategies for each agent.

Teaching Experience

2017 IN 4155 Deep Learning in the Real World, Technical University of Munich, Munich, Germany
2016 IN 2064 Machine Learning I, Technical University of Munich, Munich, Germany
2009 Teacher: Tutorial on IBM ASU/xFlash product development and support, Shanghai, China

Mentoring Experience

2017 Yen Duong – Individual Development Project at TUM, Munich, Germany
2016 Baris Kayalibay – Bachelor's Thesis at TUM, Munich, Germany
2016 Adam Kosiorek – Master's Thesis at TUM, Munich, Germany
2014 IBM Intern Program, 2 German pre-graduate interns, Rochester, MN, USA
2013 IBM Intern Program, 1 pre-graduate intern, Rochester, MN,USA

Awards and Honors

2008 Pi Mu Epsilon Mathematics Honor Society
2006 – 2008 Iowa Conference All-Academic Team
2004 – 2008 Luther College Dean's List
2004 University of Wisconsin – Eau Claire Math Competition, 1st Place Team
2003 University of Wisconsin – Eau Claire Math Competition, 2nd Place Team
2003 University of Wisconsin – Eau Claire Math Competition, 3rd Place Individual

Scholarships

2010 – 2013 IBM Academic Learning Assistance Program
2004 – 2008 Luther College Regents Scholarship
2004 – 2008 Weston Noble Scholarship
2007 Emerson Mathematics Scholarship
2006 Luther College Semester Study Abroad Program, Münster, Germany

Volunteer Positions

2010 Assistant Coach, Track and Field, Century High School, Rochester, MN
2009 Assistant Coach, Cross Country, Century High School, Rochester, MN

Languages

English	Native
German	Professional Working

Professional Membership

BCCN, Bernstein Center for Computational Neuroscience Munich
ACM, Association of Computing Machinery
SIGACT, Special Interest Group on Algorithms and Computation Theory
SIGIR, Special Interest Group on Information Retrieval
SIGAI, Special Interest Group on Artificial Intelligence