Lam M. Nguyen

LamNguyen.MLTD@gmail.com • https://lamnguyen-mltd.github.io/ (Updated on 01/22/2020)

FIELDS OF INTEREST

Design and Analysis of Learning Algorithms, Large Scale Optimization, Machine Learning, Deep Learning, Reinforcement Learning, AI Solutions, Trusted AI

EDUCATION

ED C CITTOIT	
2014 - 2018	Ph.D., Department of Industrial and Systems Engineering, Lehigh University,
	Bethlehem, PA
	Thesis advisors: Katya Scheinberg, Martin Takac, and Alexander L. Stolyar
	Thesis title: A Service System with On-Demand Agents, Stochastic Gradient
	Algorithms and the SARAH Algorithm
	Elizabeth V. Stout Dissertation Award
	Research areas: Optimization for Large Scale Problems, Machine Learning, Deep
	Learning, Stochastic Models, Optimal Control
2011 - 2013	M.B.A., College of Business, McNeese State University, Lake Charles, LA
	Beta Gamma Sigma (Academic Honor)
2004 - 2008	B.S. , Applied Mathematics and Computer Science, Faculty of Computational
	Mathematics and Cybernetics, Lomonosov Moscow State University, Moscow, Russia
	Thesis advisor: Vladimir I. Dmitriev
	Thesis title: Methods for Detecting Hidden Period in Some Economics Processes

RESEARCH EXPERIENCE

Research Scientist , IBM Thomas J. Watson Research Center, Yorktown Heights, NY
Research areas: Optimization, Machine Learning, Deep Learning, Reinforcement
Learning, AI Solutions
Research Intern, IBM Thomas J. Watson Research Center, Yorktown Heights, NY
Research areas: Optimization, Machine Learning, Deep Learning, Reinforcement
Learning
Research Co-op, IBM Thomas J. Watson Research Center, Yorktown Heights, NY
Research areas: Optimization, Machine Learning, Deep Learning
Research Intern, IBM Thomas J. Watson Research Center, Yorktown Heights, NY
Research areas: Optimization, Machine Learning, Deep Learning
Research Assistant, Lehigh University, Bethlehem, PA
Research areas: Optimization for Large Scale Problems, Machine Learning, Deep
Learning, Stochastic Models, Optimal Control
Graduate (Research) Assistant, McNeese State University, Lake Charles, LA
Research areas: Operations Management and Finance

TEACHING EXPERIENCE

09/2014 - 05/2015Teaching Assistant, Lehigh University, Bethlehem, PA Courses: Engineering Probability (ISE 111), Applied Engineering Statistics (ISE 121) 01/2012 - 12/2013Graduate (Teaching) Assistant, McNeese State University, Lake Charles, LA Courses: Human Resource Management (MGMT 310), Staffing (MGMT 315), Strategic Management (MGMT 481), Management Theory and Organizational Behavior (MGMT 604), Issues in Global Business (BADM 218), Entrepreneurial Finance for Small Business (FIN 308) Teaching Assistant, Lomonosov Moscow State University, Moscow, Russia 09/2007 - 05/2008Courses: Mathematical Analysis (Calculus), Linear Algebra and Analytic Geometry

OTHER WORK EXPERIENCE

05/2013 - 08/2013	Graduate Assistant (Web Developer), College of Business, McNeese State
	University, Lake Charles, LA
09/2008 - 08/2009	Software Engineer , FPT Software Company, Ho Chi Minh City, Vietnam

PUBLICATIONS	
[11]	Nhan H. Pham, Lam M. Nguyen, Dzung T. Phan, Phuong Ha Nguyen, Marten van
	Dijk, and Quoc Tran-Dinh. A Hybrid Stochastic Policy Gradient Algorithm for
	Reinforcement Learning. The 23rd International Conference on Artificial Intelligence
	and Statistics (AISTATS 2020), 2020
[10]	Lam M. Nguyen*, Phuong Ha Nguyen*, Peter Richtarik, Katya Scheinberg, Martin
	Takac, and Marten van Dijk. New Convergence Aspects of Stochastic Gradient
	Algorithms, The Journal of Machine Learning Research (JMLR), volume 20(176), 1-
	49, 2019
[9]	Phuong Ha Nguyen, Lam M. Nguyen, and Marten van Dijk. Tight Dimension
	Independent Lower Bound on the Expected Convergence Rate for Diminishing Step
	Sizes in SGD, The 33th Annual Conference on Neural Information Processing
	Systems (NeurIPS 2019), 2019 (21.17% acceptance rate)
[8]	Tsui-Wei Weng, Pin-Yu Chen*, Lam M. Nguyen* , Mark S. Squillante*, Akhilan
	Boopathy, Ivan Oseledets, and Luca Daniel. PROVEN: Verifying Robustness of
	Neural Networks with a Probabilistic Approach. The 36th International Conference
	on Machine Learning (ICML 2019), PMLR 97, 2019 (22.5% acceptance rate)
[7]	Marten van Dijk, Lam M. Nguyen , Phuong Ha Nguyen, and Dzung T. Phan.
	Characterization of Convex Objective Functions and Optimal Expected Convergence
	Rates for SGD. The 36th International Conference on Machine Learning (ICML
	2019), PMLR 97, 2019 (22.5% acceptance rate)
[6]	Dhaval Patel, Lam M. Nguyen, Akshay Rangamani, Shrey Shrivastava, and Jayant
	Kalagnanam. ChieF: A Change Pattern based Interpretable Failure Analyzer. 2018
	IEEE International Conference on Big Data (IEEE BigData 2018), 2018

[5]	Low M. Neuvon Dhuong He Neuvon Monton von Dille Deten Dichtonile Vetro
[5]	Lam M. Nguyen , Phuong Ha Nguyen, Marten van Dijk, Peter Richtarik, Katya Scheinberg, and Martin Takac. <u>SGD and Hogwild! Convergence Without the</u>
	Bounded Gradients Assumption. The 35th International Conference on Machine
	Learning (ICML 2018), PMLR 80, 2018 (25% acceptance rate)
	IBM Research AI – Selected Publications 2018
[4]	Lam M. Nguyen, Jie Liu, Katya Scheinberg, and Martin Takac. SARAH: A Novel
[.]	Method for Machine Learning Problems Using Stochastic Recursive Gradient. <i>The</i>
	34th International Conference on Machine Learning (ICML 2017), PMLR 70:2613-
	2621, 2017 (25% acceptance rate)
	Van Hoesen Family Best Publication Award
[3]	Lam M. Nguyen, and Alexander L. Stolyar. A Queueing System with On-demand
	Servers: Local Stability of Fluid Limits. Queueing Systems (QUES), 1-26, Springer,
	2017
[2]	Lam M. Nguyen, and Alexander L. Stolyar. A Service System with Randomly
	Behaving On-demand Agents. The 42nd International Conference on Measurement
	and Modeling of Computer Systems (SIGMETRICS 2016), ACM SIGMETRICS
	Performance Evaluation Review, 44(1):365-366, 2016 (25% acceptance rate)
[1]	Prasad Vemala, Lam Nguyen, Dung Nguyen, and Alekhya Kommasani. CEO
	Compensation: Does Financial Crisis Matter? International Business Research,
	7(4):125-131, 2014
PREPRINTS	
PREPRINTS [8]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and
	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz</u> : <u>BUffer Zones for Defending Adversarial Examples in Image</u>
	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , 2019
	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , <i>2019</i> Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid</u>
[8]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex</u>
[8] [7]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019
[8]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , <i>2019</i> Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization</u> , <i>arXiv preprint</i> , <i>2019</i> Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>Hybrid</u>
[8] [7]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , <i>2019</i> Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization</u> , <i>arXiv preprint</i> , <i>2019</i> Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization</u> ,
[8] [7] [6]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization, arXiv preprint, 2019
[8] [7]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019 Nhan H. Pham, Lam M. Nguyen , Dzung T. Phan, and Quoc Tran-Dinh.
[8] [7] [6]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen, Thanh Nguyen, and Marten van Dijk. BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization, arXiv preprint, 2019 Nhan H. Pham, Lam M. Nguyen, Dzung T. Phan, and Quoc Tran-Dinh. ProxSARAH: An Efficient Algorithmic Framework for Stochastic Composite
[8] [7] [6] [5]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz</u> : <u>BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019 Nhan H. Pham, Lam M. Nguyen , Dzung T. Phan, and Quoc Tran-Dinh. <u>ProxSARAH</u> : An Efficient Algorithmic Framework for Stochastic Composite <u>Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019
[8] [7] [6]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen , Thanh Nguyen, and Marten van Dijk. <u>BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen . <u>Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization</u> , <i>arXiv preprint</i> , 2019 Nhan H. Pham, Lam M. Nguyen , Dzung T. Phan, and Quoc Tran-Dinh. ProxSARAH: An Efficient Algorithmic Framework for Stochastic Composite Nonconvex Optimization, <i>arXiv preprint</i> , 2019 Lam M. Nguyen , Marten van Dijk, Dzung T. Phan, Phuong Ha Nguyen, Tsui-Wei
[8] [7] [6] [5]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen, Thanh Nguyen, and Marten van Dijk. BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization, arXiv preprint, 2019 Nhan H. Pham, Lam M. Nguyen, Dzung T. Phan, and Quoc Tran-Dinh. ProxSARAH: An Efficient Algorithmic Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Lam M. Nguyen, Marten van Dijk, Dzung T. Phan, Phuong Ha Nguyen, Tsui-Wei Weng, and Jayant R. Kalagnanam. Finite-Sum Smooth Optimization with SARAH,
[8][7][6][5][4]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen, Thanh Nguyen, and Marten van Dijk. BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization, arXiv preprint, 2019 Nhan H. Pham, Lam M. Nguyen, Dzung T. Phan, and Quoc Tran-Dinh. ProxSARAH: An Efficient Algorithmic Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Lam M. Nguyen, Marten van Dijk, Dzung T. Phan, Phuong Ha Nguyen, Tsui-Wei Weng, and Jayant R. Kalagnanam. Finite-Sum Smooth Optimization with SARAH, arXiv preprint, 2019
[8] [7] [6] [5]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen, Thanh Nguyen, and Marten van Dijk. BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization, arXiv preprint, 2019 Nhan H. Pham, Lam M. Nguyen, Dzung T. Phan, and Quoc Tran-Dinh. ProxSARAH: An Efficient Algorithmic Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Lam M. Nguyen, Marten van Dijk, Dzung T. Phan, Phuong Ha Nguyen, Tsui-Wei Weng, and Jayant R. Kalagnanam. Finite-Sum Smooth Optimization with SARAH, arXiv preprint, 2019 Lam M. Nguyen, Katya Scheinberg, and Martin Takac. Inexact SARAH Algorithm
[8][7][6][5][4]	Phuong Ha Nguyen*, Kaleel Mahmood*, Lam M. Nguyen, Thanh Nguyen, and Marten van Dijk. BUZz: BUffer Zones for Defending Adversarial Examples in Image Classification, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. A Hybrid Stochastic Optimization Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Quoc Tran-Dinh, Nhan H. Pham, Dzung T. Phan, and Lam M. Nguyen. Hybrid Stochastic Gradient Descent Algorithms for Stochastic Nonconvex Optimization, arXiv preprint, 2019 Nhan H. Pham, Lam M. Nguyen, Dzung T. Phan, and Quoc Tran-Dinh. ProxSARAH: An Efficient Algorithmic Framework for Stochastic Composite Nonconvex Optimization, arXiv preprint, 2019 Lam M. Nguyen, Marten van Dijk, Dzung T. Phan, Phuong Ha Nguyen, Tsui-Wei Weng, and Jayant R. Kalagnanam. Finite-Sum Smooth Optimization with SARAH, arXiv preprint, 2019

Scheinberg. When Does Stochastic Gradient Algorithm Work Well? arXiv preprint, 2018

[1]

Lam M. Nguyen, Jie Liu, Katya Scheinberg, and Martin Takac. <u>Stochastic Recursive</u> Gradient Algorithm for Nonconvex Optimization, *arXiv preprint*, 2017

PATENTS

2020	Dung Tien Phan, Lam M. Nguyen, Pavankumar Murali, and Hongsheng Liu.
	Operations Management Optimization for Manufacturing and Process Control.
	(Pending)
2020	Pavankumar Murali, Haoran Zhu, Dung Tien Phan, and Lam M. Nguyen. System and
	Method for Quality Mode Prediction in Manufacturing and Process Industries.
	(Pending)
2019	Dzung T. Phan, Lam M. Nguyen, Pavankumar Murali, and Jayant R. Kalagnanam.
	Prediction Optimization for System-level Production Control. (Pending) Filed on July
	23, 2019
2019	Dzung T. Phan, Lam M. Nguyen, Nam H. Nguyen, and Jayant R. Kalagnanam.

Compression of Deep Neural Networks. (Pending) Filed on March 13, 2019

THESES

Lam M. Nguyen. A Service System with On-Demand Agents, Stochastic Gradient Algorithms and the SARAH Algorithm. PhD dissertation, Lehigh University, Bethlehem, PA

 Elizabeth V. Stout Dissertation Award

 Lam M. Nguyen. Methods for Detecting Hidden Period in Some Economics

 Processes. Undergraduate thesis, Lomonosov Moscow State University, Moscow,

Russia

INVITED TALKS

Finite-Sum Smooth Optimization with SARAH. INFORMS Annual Meeting, Seattle,
WA
Inexact SARAH for Solving Stochastic Optimization Problems. INFORMS Annual
Meeting, Phoenix, AZ
Inexact SARAH for Solving Stochastic Optimization Problems.
DIMACS/TRIPODS/MOPTA, Bethlehem, PA
When does stochastic gradient algorithm work well? INFORMS Optimization Society
Conference, Denver, CO
SARAH: Stochastic recursive gradient algorithm. INFORMS Annual Meeting,
Houston, TX
SARAH algorithm. IBM Thomas J. Watson Research Center, Yorktown Heights, NY
A queueing system with on-demand servers: local stability of fluid limits. INFORMS

Annual Meeting, Nashville, TN

08/2016 A queueing system with on-demand servers: local stability of fluid limits. *Modeling*

and Optimization: Theory and Applications, Bethlehem, PA

PROFESSIONAL ACTIVITIES

PROFESSIONAL ACTIVITIES		
	Program Committee – Area Chair (peer-reviewed conferences)	
2020	International Conference on Machine Learning (ICML)	
	Session Chair / Organizer (conferences)	
2019	Session "Fast and Provable Nonconvex Optimization Algorithms in Machine	
	Learning", INFORMS Annual Meeting 2019	
2018	Session "Recent Advances in Optimization Methods for Machine Learning",	
	INFORMS Annual Meeting 2018	
2018	Sessions "Sparse Optimization" and "Stochastic Gradient Descent",	
	DIMACS/TRIPODS/MOPTA 2018	
2017 2010	Program Committee – Reviewer (peer-reviewed conferences)	
2017 – 2019	International Conference on Machine Learning (ICML)	
2017 – 2019	Annual Conference on Neural Information Processing Systems (NIPS/NeurIPS)	
2018 – 2020	International Conference on Learning Representations (ICLR)	
2019 – 2020	International Conference on Artificial Intelligence and Statistics (AISTATS)	
2019 - 2020	AAAI Conference on Artificial Intelligence (AAAI)	
2020	International Joint Conferences on Artificial Intelligence (IJCAI)	
2019 - 2020	IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)	
2019	IEEE International Conference on Computer Vision (ICCV)	
2020	European Conference on Computer Vision (ECCV)	
2019 - 2020	Conference on Uncertainty in Artificial Intelligence (<i>UAI</i>)	
	Reviewer (peer-reviewed journals)	
2018 - 2020	Journal of Machine Learning Research	
2019	IEEE Transactions on Signal Processing	
2019	Artificial Intelligence	
2018	Optimization Methods and Software	
	Others	
2018	Program Committee, "Modern Trends in Nonconvex Optimization for Machine	
	Learning", ICML 2018 Workshop	

PROFESSIONAL MEMBERSHIPS

2016 – Present | Society for Industrial and Applied Mathematics (SIAM)

2014 – Present	The Institute for Operations Research and the Management Sciences (INFORMS)
2014 – Present	Beta Gamma Sigma (The International Business Honor Society)

MENTORSHIP	
2019 – Present	Trang H. Tran, M.S. student, Institute of Mathematics, Vietnam Academy of Science
	and Technology
2019 – Present	Toan N. Nguyen, Ph.D. student, University of Connecticut, (student of Prof. Marten
	van Dijk)
2019 – Present	Nhuong V. Nguyen, Ph.D. student, University of Connecticut, (student of Prof.
	Marten van Dijk)
2018 – Present	Nhan H. Pham, Ph.D. student, University of North Carolina at Chapel Hill (student
	of Prof. Quoc Tran-Dinh)

HONORS & AWARDS

2019	NeurIPS 2019 Top Reviewers
2019	Elizabeth V. Stout Dissertation Award, Lehigh University, Bethlehem, PA
2018	Van Hoesen Family Best Publication Award, Lehigh University, Bethlehem, PA
2016 - 2017	Dean's Doctoral Fellowship (RCEAS), Lehigh University, Bethlehem, PA
2014 - 2015	Dean's Doctoral Assistantship, Lehigh University, Bethlehem, PA
2014	Beta Gamma Sigma (Academic Honor Society)
2011 - 2013	Dore Graduate Stipends, McNeese State University, Lake Charles, LA

SKILLS & QUALIFICATIONS The base of the property of the prope

Technical	Python, TensorFlow, Keras, PyTorch, MATLAB, CPLEX
	C++, Java, SAS, AMPL, SQL, C#, JavaScript, PHP, Linux
Language	Vietnamese (Native), English (Proficient), Russian (Proficient), French (Basic)
Leadership	Chief Administrator, Olympia Vietnam Forum and Community (2005 – 2015)