

# CURRICULUM VITAE



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<i>Other names</i>	Nguyễn Phước Lộc
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## I. Education

09/2009 - 11/2016	<b>Doctorate of Statistical Medicine.</b> (ACADEMIC EXPERIENCE)
09/2014 - 07/2016	<b>Post-Doctorate of Mathematics and Statistics.</b> (ACADEMIC EXPERIENCE)
09/2011 - 11/2013	<b>Post-Doctorate of Computer Science</b> at <a href="#">Sunflower Soft Company</a> , Vietnam. (ACADEMIC EXPERIENCE)
09/2007 - 09/2009	<b>Doctorate of Computer Science and Education (PhD)</b> at <a href="#">Ho Chi Minh University of Science</a> , Vietnam. (ACADEMIC CERTIFICATE)
09/2002 - 01/2005	<b>Master of Computer Science</b> at <a href="#">Ho Chi Minh University of Science</a> , Vietnam. (ACADEMIC CERTIFICATE).
09/1997 - 09/2001	<b>Bachelor of science in Information Technology</b> at <a href="#">Ho Chi Minh University of Science</a> , Vietnam. (ACADEMIC CERTIFICATE)

## II. Professional Knowledge

My professional knowledge and skills include machine learning, data mining, applied statistics, applied mathematics (Bayesian network, optimization), adaptive learning, and statistical medicine.

## IV. Working Experiences

06/2018 - now	Editor-in-Chief of <a href="#">Adaptation and Personalization (ADP)</a> Journal - International Technology and Science Publications (ITS).
11/2016 - 01/2017	Volunteering as Quality Assurance (QA) analyst for the project “Survey Sampling Design and Analysis” of <a href="#">Millennium Promise Alliance</a> .
03/2015 - 07/2017	<b>Lead Guest Editor</b> of Applied and Computational Mathematics, Science Publishing Group (SciencePG).

## V. Publications

1. [Nguyen, L., & Amer, A. \(2019, October 17\). Advanced Cosine Measures for Collaborative Filtering.](#) (ITS, Ed.) [Adaptation and Personalization \(ADP\)](#), 1(1), 21-41. doi:10.31058/j.adp.2019.11002

2. Nguyen, L., & Shafiq, A. (2018, December 31). *Mixture Regression Model for Incomplete Data*. (L. E. Istael, Ed.) *Revista Sociedade Científica*, 1(3), 1-25. doi:10.5281/zenodo.2528978
3. Nguyen, L., & Ho, Thu-Hang T. (2018, December 17). *Fetal Weight Estimation in Case of Missing Data*. (T. Schmutte, Ed.) *Experimental Medicine (EM)*, 1(2), 45-65. doi:10.31058/j.em.2018.12004
4. Nguyen, L., & Ho, Thu-Hang T. (2018, August 1). Phoebe Framework and Experimental Results for Estimating Fetal Age and Weight. In T. F. Heston, & T. F. Heston (Ed.), *eHealth - Making Health Care Smarter* (pp. 99-123). Rijeka, Croatia: InTechOpen. doi:10.5772/intechopen.74883
5. Nguyen, L., Do, M.-P. T. (2018, January 18). *A Novel Collaborative Filtering Algorithm by Bit Mining Frequent Itemsets*. *PeerJ Preprints*, 6(e26444v1). doi:10.7287/peerj.preprints.26444v1
6. Nguyen, L. (2017, November 2). Converting Graphic Relationships into Conditional Probabilities in Bayesian Network. In J. P. Tejedor, & J. P. Tejedor (Ed.), *Bayesian Inference* (pp. 97-143). Rijeka, Croatia: InTech. doi:10.5772/intechopen.70057
7. Nguyen, L. (2017, April 24). *A Proposal of Loose Asymmetric Cryptography Algorithm*. Proceedings of The 2nd International Conference on Software, Multimedia and Communication Engineering (**SMCE 2017**), DEStech Transactions on Computer Science and Engineering (pp. 414-422). Shanghai: DEStech. doi:10.12783/dtcse/smce2017/12462
8. Nguyen, L. (2017, June 9). *Global Optimization with Descending Region Algorithm*. (L. Nguyen, & et al., Eds.) Special Issue “*Some Novel Algorithms for Global Optimization and Relevant Subjects*”, Applied and Computational Mathematics (ACM), 6(4-1), 72-82. doi:10.11648/j.acm.s.2017060401.17
9. Nguyen, L. (2016, June 17). *Longest-path Algorithm to Solve Uncovering Problem of Hidden Markov Model*. (L. Nguyen, & M. A. MELLAL, Eds.) Special Issue “*Some Novel Algorithms for Global Optimization and Relevant Subjects*”, Applied and Computational Mathematics (ACM), 6(4-1), 39-47. doi:10.11648/j.acm.s.2017060401.13
10. Nguyen, L. (2016, April 27). *Beta Likelihood Estimation and Its Application to Specify Prior Probabilities in Bayesian Network*. (H. M. Srivastava, P. Bracken, R. Jedynak, anonymous, & S. Zimeras, Eds.) *British Journal of Mathematics & Computer Science*, 16(3), 1-21. doi:10.9734/BJMCS/2016/25731.
11. Nguyen, L. (2016, April 8). *New version of CAT algorithm by maximum likelihood estimation*. (B. N. Buszewski, Ed.) *Sylwan Journal*, 160(4), 218-244.
12. Nguyen, L., Do, M.-P. T. (2015, November 13). *Hudup: A Framework of E-commercial Recommendation Algorithms*. In A. Fred, J. Dietz, D. Aveiro, K. Liu, & J. Filipe (Ed.), Final Program and Book of Abstracts of The 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (**IC3K 2015**) (p. 56). Lisbon: SCITEPRESS. Retrieved from <https://goo.gl/BQaEcm>
13. Nguyen, L. (2015, November 13). *A New Approach for Collaborative Filtering based on Bayesian Network Inference*. The 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. 1: KDIR (**IC3K-2015**), pp. 475-480. Lisbon, Portugal: SCITEPRESS - Science and Technology Publications, Lda. doi:10.5220/0005635204750480
14. Nguyen, L. (2015, January 22). *A User Modeling System for Adaptive Learning*. In S. Schreiter (Ed.), The 2014 International Conference on Interactive Collaborative Learning (**ICL 2014**) (pp. 864-866). The 2014 World Engineering Education Forum (**WEEF2014**), Dubai, UAE: IEEE. doi:10.1109/ICL.2014.7017887
15. Nguyen, L. (2015, January 10). *Feasible length of Taylor polynomial on given interval and application to find the number of roots of equation*. (A. Moustafa et al., Eds.) *International Journal of Mathematical Analysis and Applications*, 1 (5), 80-83. Retrieved from <http://www.aascit.org/journal/archive2?journalId=921&paperId=1017>

## VI. Products and Projects

1. **REM - Regression models based on expectation maximization algorithm** (2018, September).
2. Special Issue “**Some Novel Algorithms for Global Optimization and Relevant Subjects**” (2017, July).
3. The first edition of the book “**Mathematical Approaches to User Modeling**” (Accepted on 2015, January 4).
4. **Hudup - A framework of e-commercial recommendation algorithms** (2013).
5. **Phoebe - A framework of estimating fetus weight and age** (2013).
6. **Zebra - A User Modeling System for Adaptive Learning** (2009).
7. **AGmagic - An image searching framework** (2005).