**CURRICULUM VITAE**

[](http://cv.locnguyen.net)

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| *Full name* | Loc Nguyen |
| *Other names* | Nguyễn Phước Lộc |
| *Date of birth* | August 29, 1979 |
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# I. Education

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| 09/2009 - 11/2016 | [**Doctorate of Statistical Medicine.**](https://drive.google.com/file/d/0ByHQY9CungG-dl9xRmtwYVpYOHc/view?usp=sharing)(ACADEMIC EXPERIENCE) |
| 09/2014 - 07/2016 | **Post-Doctorate of Mathematics and Statistics.** (ACADEMIC EXPERIENCE) |
| 09/2011 - 11/2013 | **Post-Doctorate of Computer Science** at [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam. (ACADEMIC EXPERIENCE) |
| 09/2007 - 12/2014 | **Doctorate of Computer Science and Education (PhD)** at [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), Vietnam. (NON-ACADEMIC CERTIFICATE) |
| 09/2002 - 01/2005 | [**Master of Computer Science**](https://drive.google.com/file/d/0ByHQY9CungG-SWxPOXdIRFZXTUE/view?usp=sharing)at [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), Vietnam. (ACADEMIC CERTIFICATE). |
| 09/1997 - 09/2001 | [**Bachelor of science in Information Technology**](https://drive.google.com/file/d/0ByHQY9CungG-OGpPU2NxNzF5cmc/view?usp=sharing) at [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), 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

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| 06/2018 - now | Editor-in-Chief of [Adaptation and Personalization (ADP)](http://www.itspoa.com/journal/adp) 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 [Millennium Promise Alliance](http://millenniumvillages.org/millenniumpromise). |
| 03/2015 - 07/2017 | [Lead Guest Editor](http://www.sciencepublishinggroup.com/specialissue/147012) of Applied and Computational Mathematics, Science Publishing Group (SciencePG). |

# V. Publications

1. [Nguyen, L.](http://www.locnguyen.net), & [Amer, A.](http://orcid.org/0000-0001-7186-7216) (2019, October 17). [*Advanced Cosine Measures for Collaborative Filtering*](http://www.itspoa.com/itsadmin/Ll/LL.DE.asp?action=Paper_Information&id=1780). (ITS, Ed.) Adaptation and Personalization ([ADP](http://www.itspoa.com/journal/adp)), 1(1), 21-41. doi:[10.31058/j.adp.2019.11002](http://dx.doi.org/10.31058/j.adp.2019.11002)
2. [Nguyen, L.](http://www.locnguyen.net), & [Shafiq, A.](http://orcid.org/0000-0001-7186-7216) (2018, December 31). [*Mixture Regression Model for Incomplete Data*](http://revista.scientificsociety.net/2018/12/31/mixture-regression-model-for-incomplete-data). (L. E. Istael, Ed.) [Revista Sociedade Científica](http://revista.scientificsociety.net" \t "_blank), 1(3), 1-25. doi:[10.5281/zenodo.2528978](http://dx.doi.org/10.5281/zenodo.2528978)
3. [Nguyen, L.](http://www.locnguyen.net), & Ho, Thu-Hang T. (2018, December 17). [*Fetal Weight Estimation in Case of Missing Data*](http://www.itspoa.com/itsadmin/Ll/LL.DE.asp?action=Paper_Information&id=1630). (T. Schmutte, Ed.) [Experimental Medicine (EM)](http://www.itspoa.com/journal/em), 1(2), 45-65. doi:[10.31058/j.em.2018.12004](http://dx.doi.org/10.31058/j.em.2018.12004)
4. [Nguyen, L.](http://www.locnguyen.net), & [Ho, Thu-Hang T.](http://phoebe.locnguyen.net) (2018, August 1). [Phoebe Framework and Experimental Results for Estimating Fetal Age and Weight](https://www.intechopen.com/books/ehealth-making-health-care-smarter/phoebe-framework-and-experimental-results-for-estimating-fetal-age-and-weight). In [T. F. Heston](https://www.intechopen.com/profiles/217926/thomas-f.-heston), & [T. F. Heston](https://www.intechopen.com/profiles/217926/thomas-f.-heston) (Ed.), [eHealth - Making Health Care Smarter](https://www.intechopen.com/books/ehealth-making-health-care-smarter) (pp. 99-123). Rijeka, Croatia: InTechOpen. doi:[10.5772/intechopen.74883](http://dx.doi.org/10.5772/intechopen.74883)
5. [Nguyen, L.](http://www.locnguyen.net), [Do, M.-P. T.](http://httt.uit.edu.vn/web/student/intro/chitietgv/GV11) (2018, January 18). [*A Novel Collaborative Filtering Algorithm by Bit Mining Frequent Itemsets*](https://peerj.com/preprints/26444). [PeerJ Preprints](https://peerj.com/preprints" \t "_blank), 6(e26444v1). doi:[10.7287/peerj.preprints.26444v1](https://doi.org/10.7287/peerj.preprints.26444v1)
6. [Nguyen, L.](http://www.locnguyen.net) (2017, November 2). [Converting Graphic Relationships into Conditional Probabilities in Bayesian Network](https://www.intechopen.com/books/bayesian-inference/converting-graphic-relationships-into-conditional-probabilities-in-bayesian-network). In [J. P. Tejedor](https://www.intechopen.com/profiles/177972/javier-prieto-tejedor), & [J. P. Tejedor](https://www.intechopen.com/profiles/177972/javier-prieto-tejedor) (Ed.), [Bayesian Inference](https://www.intechopen.com/books/bayesian-inference) (pp. 97-143). Rijeka, Croatia: InTech. doi:[10.5772/intechopen.70057](http://dx.doi.org/10.5772/intechopen.70057)
7. [Nguyen, L.](http://www.locnguyen.net) (2017, April 24). [*A Proposal of Loose Asymmetric Cryptography Algorithm*](http://dpi-proceedings.com/index.php/dtcse/article/view/12462). Proceedings of The 2nd International Conference on Software, Multimedia and Communication Engineering ([SMCE 2017](http://dpi-proceedings.com/index.php/dtcse/issue/view/138)), DEStech Transactions on Computer Science and Engineering (pp. 414-422). Shanghai: [DEStech](http://www.destechpub.com" \t "_blank). doi:[10.12783/dtcse/smce2017/12462](http://dx.doi.org/10.12783/dtcse/smce2017/12462)
8. [Nguyen, L.](http://www.locnguyen.net) (2017, June 9). [*Global Optimization with Descending Region Algorithm*](http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=147&doi=10.11648/j.acm.s.2017060401.17). ([L. Nguyen](http://membership.sciencepublishinggroup.com/ngphloc), & [et al.](http://www.sciencepublishinggroup.com/specialissue/147012), Eds.) Special Issue [“*Some Novel Algorithms for Global Optimization and Relevant Subjects*”](http://www.sciencepublishinggroup.com/specialissue/147012), Applied and Computational Mathematics (ACM), 6(4-1), 72-82. doi:[10.11648/j.acm.s.2017060401.17](http://dx.doi.org/10.11648/j.acm.s.2017060401.17)
9. [Nguyen, L.](http://www.locnguyen.net) (2016, June 17). [*Longest-path Algorithm to Solve Uncovering Problem of Hidden Markov Model*](http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=147&doi=10.11648/j.acm.s.2017060401.13). ([L. Nguyen](http://membership.sciencepublishinggroup.com/ngphloc), & [M. A. MELLAL](http://membership.sciencepublishinggroup.com/mellalmohamedarezki), Eds.) Special Issue [“*Some Novel Algorithms for Global Optimization and Relevant Subjects*”](http://www.sciencepublishinggroup.com/specialissue/147012), Applied and Computational Mathematics (ACM), 6(4-1), 39-47. doi:[10.11648/j.acm.s.2017060401.13](http://dx.doi.org/10.11648/j.acm.s.2017060401.13)
10. [Nguyen, L.](http://www.locnguyen.net) (2016, April 27). [*Beta Likelihood Estimation and Its Application to Specify Prior Probabilities in Bayesian Network*](http://sciencedomain.org/abstract/14364). [(H. M. Srivastava, P. Bracken, R. Jedynak, anonymous, & S. Zimeras, Eds.)](http://sciencedomain.org/journal/6/editorial-board-members) [British Journal of Mathematics & Computer Science](http://sciencedomain.org/issue/1782), 16(3), 1-21. doi:[10.9734/BJMCS/2016/25731](http://dx.doi.org/10.9734/BJMCS/2016/25731).
11. [Nguyen, L.](http://www.locnguyen.net) (2016, April 8). [*New version of CAT algorithm by maximum likelihood estimation*](http://sylwan.ibles.org/syl/index.php/archive/part/160/4/1/?currentVol=160&currentissue=4). (B. N. Buszewski, Ed.) [Sylwan Journal](http://sylwan.ibles.org/archive.php?v=160&i=4" \t "_blank), 160(4), 218-244.
12. [Nguyen, L.](http://www.locnguyen.net), [Do, M.-P. T.](http://httt.uit.edu.vn/web/student/intro/chitietgv/GV11) (2015, November 13). [*Hudup: A Framework of E-commercial Recommendation Algorithms*](https://goo.gl/BQaEcm). 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](http://www.ic3k.org/RDCommunity.aspx?y=2015)) (p. 56). Lisbon: [SCITEPRESS](http://www.scitepress.org). Retrieved from <https://goo.gl/BQaEcm>
13. [Nguyen, L.](http://www.locnguyen.net) (2015, November 13). [*A New Approach for Collaborative Filtering based on Bayesian Network Inference*](http://www.scitepress.org/DigitalLibrary/Link.aspx?doi=10.5220/0005635204750480). The 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. 1: KDIR ([IC3K-2015](http://www.ic3k.org?y=2015)), pp. 475-480. Lisbon, Portugal: [SCITEPRESS](http://www.scitepress.org) - Science and Technology Publications, Lda. doi:[10.5220/0005635204750480](http://dx.doi.org/10.5220/0005635204750480)
14. [Nguyen, L.](http://www.locnguyen.net) (2015, January 22). [*A User Modeling System for Adaptive Learning*](http://ieeexplore.ieee.org/document/7017887). In S. Schreiter (Ed.), The 2014 International Conference on Interactive Collaborative Learning ([ICL 2014](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7002490)) (pp. 864-866). The 2014 World Engineering Education Forum ([WEEF2014](http://weef2014.org)), Dubai, UAE: IEEE. doi:[10.1109/ICL.2014.7017887](http://dx.doi.org/10.1109/ICL.2014.7017887)
15. [Nguyen, L.](http://www.locnguyen.net) (2015, January 10). *[Feasible length of Taylor polynomial on given interval and application to find the number of roots of equation](http://www.aascit.org/journal/archive2?journalId=921&paperId=1017" \t "_blank)*. ([A. Moustafa et al.](http://www.aascit.org/journal/editorial?journalId=921), Eds.) [International Journal of Mathematical Analysis and Applications, 1 (5)](http://www.aascit.org/journal/archive?journalId=921&issueId=9210105), 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](http://rem.locnguyen.net" \t "_blank)** (2018, September).
2. Special Issue [“](http://www.sciencepublishinggroup.com/specialissue/147012" \t "_blank)**[Some Novel Algorithms for Global Optimization and Relevant Subjects](http://www.sciencepublishinggroup.com/specialissue/147012" \t "_blank)**[”](http://www.sciencepublishinggroup.com/specialissue/147012" \t "_blank) (2017, July).
3. The first edition of the book [“](http://mum.locnguyen.net" \t "_blank)**[Mathematical Approaches to User Modeling](http://mum.locnguyen.net" \t "_blank)**[”](http://mum.locnguyen.net" \t "_blank) (Accepted on 2015, January 4).

1. **[Hudup - A framework of e-commercial recommendation algorithms](http://www.hudup.net" \t "_blank)** (2013).

1. **[Phoebe - A framework of estimating fetus weight and age](http://phoebe.locnguyen.net" \t "_blank)** (2013).

1. **[Zebra - A User Modeling System for Adaptive Learning](http://zebra.locnguyen.net" \t "_blank)** (2009).

1. **[AGmagic - An image searching framework](http://agmagic.locnguyen.net" \t "_blank)** (2005).