**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 |
| *Gender* | Male |
| *Citizen of* | Vietnam |
| *Homepage* | [www.locnguyen.net](http://www.locnguyen.net/) |
| *Contact address* | 1/4B Ton Duc Thang street, My Binh ward, Long Xuyen city, An Giang province 881092, Vietnam |
| *Email* | ng\_phloc@yahoo.com |
| *Phone* | +84975250362 |

# 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)  *Supervisor*: Professor Thu-Hang Thi Ho  The research [“*A Framework of Estimating Fetus Weight and Age*”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_PhoebeProduct_cv) is certified and awarded by Ho Chi Minh City Society for Reproductive Medicine ([HOSREM](http://hosrem.org.vn)) at the 12th HOSREM Annual Conference held on November 26, 2016, Ho Chi Minh city, Vietnam. |
| 09/2014 - 07/2016 | **Post-Doctorate of Mathematics and Statistics.**  The research dissertation composed as the book [“*Mathematical Approaches to User Modeling*”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_MumBookProduct_cv) focuses on innovative probabilistic and statistical works applied into user modeling, data mining, and machine learning. It is developed from the PhD research [“A User Modeling for Adaptive Learning”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_ZebraDissertationProduct_cv). It is published in [Journals Consortium](http://pgd.journalsconsortium.org/dissertations/view/22) on July 27, 2015.  With this research, Loc Nguyen was named in the **Handbook & List of Members - 150th Anniversary Edition** of [London Mathematical Society](https://www.lms.ac.uk) as a very big award on May 17, 2016. |
| 09/2011 - 11/2013 | **Post-Doctorate of Computer Science** at [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam.  The dissertation is [“*A Framework of E-commercial Recommendation Algorithms*”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_HudupProduct_cv).   * The research is accepted in the [European Project Space](http://www.ic3k.org/EuropeanProjectSpace.aspx?y=2015) and certified by Institute for Systems and Technologies of Information, Control and Communication ([INSTICC](https://drive.google.com/file/d/0ByHQY9CungG-czFkYVB4clNlZUk/view?usp=sharing)) on November 13, 2015. * It is presented at The 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management ([IC3K 2015](http://www.ic3k.org?y=2015)) on November 13, 2015, Lisbon, Portugal. |
| 10/2011 - 12/2011 | [**Leadership Development Program for Visionary Leaders**](https://drive.google.com/file/d/0ByHQY9CungG-Q3JUMmJNRE1EVjA/view?usp=sharing) by [Australian National University](http://www.anu.edu.au) and [PACE](http://www.pace.edu.vn) Institute of Leadership and Management, Vietnam in collaboration with [Global Development Learning Network](http://gdln.org) (Created by [The World Bank](http://www.worldbank.org)).  The graduated essay is [*Essay On Leadership*](http://www.locnguyen.net/ss/articles/leadership). |
| 09/2007 - 12/2014 | **Doctorate of Computer Science and Education (PhD)** at [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), Vietnam. The dissertation is [“*A User Modeling for Adaptive Learning*”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_ZebraDissertationProduct_cv).   * The research is certified by The 2014 World Engineering Education Forum ([WEEF2014](https://drive.google.com/file/d/0ByHQY9CungG-N1R0Q2l5cEZ2X0E/view?usp=sharing)) at Dubai, UAE, 3 - 6 December 2014. * It is awarded as [excellent research](https://drive.google.com/file/d/0ByHQY9CungG-NTVVdl9uWXlFelk/view?usp=sharing) by Standard Research Journals, Nigeria, August 2013. * It is reviewed by Prof. Kinsuk at [Athabasca University](http://www.athabascau.ca), Canada, October 2013. * It is presented at Doctoral Consortium of The 4th Conference on Information Technology and Telecommunications (ICTFIT 2012), [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), Vietnam. * It is also presented at Doctoral Consortium of The 3rd International Conference on Theories and Applications of Computer Science (ICTACS 2010), [Can Tho University](http://www.ctu.edu.vn), Vietnam. * It is presented at [Athabasca University](http://www.athabascau.ca), Canada, November 2009. * It is submitted firstly to [Ho Chi Minh University of Science](http://www.hcmus.edu.vn) on August 31, 2009, Vietnam. |
| 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.  The dissertation is [“*An image searching framework combining low-level features and high-level semantics contents of images*”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_AGmagicProduct_cv). |
| 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. The thesis is “*Building up the tourist information map for Ho Chi Minh city*”. |

# II. Professional Knowledge

My professional knowledge and skills include machine learning, data mining, applied statistics, applied mathematics (Bayesian network, optimization), user modeling, 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). |
| 05/2014 - now | Serving as reviewer and editor in a wide range of international journals and conferences listed in the subsection [Reviewers and Editors](#_Reviewers_and_Editors), especially [SCIENCEDOMAIN international](http://www.sciencedomain.org). |

# 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).