**CURRICULUM VITAE**

[](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=F9CG5JCQLNULG)

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

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| --- | --- |
| *Full name* | Loc Nguyen |
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The curriculum vitae has 6 developing sections as follows:

1. [Education](#_I._Education)
2. [Professional Knowledge](#_IV._Professional_Knowledge)
3. [Research and Teaching Experiences](#_VI._Research_and)
4. [Working Experiences](#_VII._Working_Experiences)
5. [Publications](#_VIII._Publications)
6. [Products and Projects](#_IX._Products_and)
7. [References](#_XIV._References)

# 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) |
| 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)). |
| 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 computer science, statistics, mathematics, statistical medicine.

# III. Research and Teaching Experiences

## Research experiences

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| 03/2018 - 09/2018 | Researcher with the scientific project [“REM - Regression models based on expectation maximization algorithm”](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_REMProduct_cv) mentioned in the section [Products and Projects](file:///E:\todo\working\projects\locnguyen-homepage\home\cv.html#Home_CV_ProductsProjects_cv) at [Loc Nguyen’s Academic Network](http://an.locnguyen.net/). |
| 04/2015 - 12/2015 | Writing the book [“*Matrix Analysis and Calculus*”](#Home_CV_MatrixBookProduct_cv) which is the product mentioned in section [Products and Projects](#_IX._Products_and). The book is the survey of matrix analysis and calculus. |
| 2015 - 2017 | [Lead Guest Editor](https://drive.google.com/file/d/0ByHQY9CungG-YUY0c1R5TW1yLW8/view?usp=sharing) of Special Issue [“*Some Novel Algorithms for Global Optimization and Relevant Subjects*”](#Home_CV_GlobalOptimize_cv), Applied and Computational Mathematics Journal, Science Publishing Group. The issue focuses on global optimization which means that how to find out the global peak over the whole function. The issue is mentioned in section [Products and Projects](#_IX._Products_and). |

## Teaching Experiences

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| 05/2017 - now | PhD dissertation examiner of [National College of Business Administration & Economics](http://ncbae.edu.pk), Lahore, Pakistan. |

# 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). |
| 11/2017 - now | Independent Scholar at [Loc Nguyen’s Academic Network](http://an.locnguyen.net/). |
| 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). |
| 11/2016 - 11/2017 | President of Ho Chi Minh City Branch of International Engineering and Technology Institute ([IETI](http://www.ieti.net/pro/memberdetail.aspx?ID=199)), Hong Kong. |
| 06/2016 - now | Professor of [International Journal of Applied Mathematics and Machine Learning](http://www.scientificadvances.co.in/editorial-board/17) and [Science Publishing Group (SciencePG)](http://www.sciencepublishinggroup.com/specialissue/147012). |
| 03/2016 - 03/2017 | Fellow of [Royal Statistical Society](https://www.rss.org.uk). |
| 03/2015 - 07/2017 | [Lead Guest Editor](http://www.sciencepublishinggroup.com/specialissue/147012) of Applied and Computational Mathematics, Science Publishing Group (SciencePG). |
| 04/2014 - 12/2015 | Incorporating with [LAMBERT Academic Publishing](https://www.lap-publishing.com) - a trademark of OmniScriptum GmbH & Co. KG to publish the book [“*Matrix Analysis and Calculus*”](#Home_CV_MatrixBookProduct_cv) which is the product mentioned in section [Products and Projects](#_IX._Products_and). |
| 03/2015 - now | Volunteering in [Quality Assurance Committee](https://drive.google.com/file/d/0ByHQY9CungG-Qy0yc0gyV1NFRzQ/view?usp=sharing) of [Statistics Without Borders](http://community.amstat.org/StatisticsWithoutBorders/home). |
| 2014 - 2016 | Incorporating with Scientific Research Publishing ([SCIRP](http://www.scirp.org)) to publish the first edition of the book [“*Mathematical Approaches to User Modeling*”](#Home_CV_MatrixBookProduct_cv) which is the product mentioned in section [Products and Projects](#_IX._Products_and). |
| 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

## [Science and technology - Articles](http://www.locnguyen.net/st/articles)

1. [Shafiq, A.](http://orcid.org/0000-0001-7186-7216) (2019, December 25), & [Nguyen, L.](http://www.locnguyen.net) . [*Marangoni convective flow of nanoliquid towards a riga surface*](https://www.aimsciences.org/article/doi/10.3934/dcdss.2020197). (X. Lu, & A. Miranville, Eds.) Discrete & Continuous Dynamical Systems - S ([DCDS-S](https://www.aimsciences.org/journal/1937-1632)), online, online. doi:[10.3934/dcdss.2020197](http://dx.doi.org/10.3934/dcdss.2020197)
2. [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)
3. [Nguyen, L.](http://www.locnguyen.net), & [Shafiq, A.](http://orcid.org/0000-0001-7186-7216) (2019, January 29). [*Semi-mixture Regression Model for Incomplete Data*](http://www.itspoa.com/itsadmin/Ll/LL.DE.asp?action=Paper_Information&id=1701). (T. Schmutte, Ed.) [Adaptation and Personalization (ADP)](http://www.itspoa.com/journal/adp), 1(1), 1-20. doi:[10.31058/j.adp.2019.11001](http://dx.doi.org/10.31058/j.adp.2019.11001)
4. [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), 1(3), 1-25. doi:[10.5281/zenodo.2528978](http://dx.doi.org/10.5281/zenodo.2528978)
5. [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)
6. [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)
7. [Nguyen, L.](http://www.locnguyen.net) (2018, July 10). [*Proposal of Evaluating Patients’ Satisfaction about Quality of Healthcare System by Non-parametric Quality Control*](https://osf.io/vumhn). Open Science Framework ([OSF](https://osf.io/preprints)) Preprints. doi:[10.17605/OSF.IO/VUMHN](http://dx.doi.org/10.17605/OSF.IO/VUMHN)
8. [Nguyen, L.](http://www.locnguyen.net), & Ho, Thu-Hang T. (2018, May 7). [*Early Fetal Weight Estimation with Expectation Maximization Algorithm*](http://www.itspoa.com/itsadmin/Ll/LL.DE.asp?action=Paper_Information&id=1597). (T. Schmutte, Ed.) [Experimental Medicine (EM)](http://www.itspoa.com/journal/em), 1(1), 12-30. doi:[10.31058/j.em.2018.11002](http://dx.doi.org/10.31058/j.em.2018.11002)
9. [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), 6(e26444v1). doi:[10.7287/peerj.preprints.26444v1](https://doi.org/10.7287/peerj.preprints.26444v1)
10. [Nguyen, L.](http://www.locnguyen.net) (2018, January 17). [*A Maximum Likelihood Mixture Approach for Multivariate Hypothesis Testing in case of Incomplete Data*](http://osf.io/whvq8). Open Science Framework ([OSF](https://osf.io/preprints)) Preprints. Retrieved from <http://osf.io/whvq8>
11. [Nguyen, L.](http://www.locnguyen.net) (2018, January 17). [*Nonparametric Hypothesis Testing Report*](http://osf.io/tj9cf). Open Science Framework ([OSF](https://osf.io/preprints)) Preprints. Retrieved from <http://osf.io/tj9cf>
12. [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)
13. [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). doi:[10.12783/dtcse/smce2017/12462](http://dx.doi.org/10.12783/dtcse/smce2017/12462)
14. [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)
15. [Nguyen, L.](http://www.locnguyen.net), & Ho, Thu-Hang T. (2017, March 13). [*Experimental Results of Phoebe Framework: Optimal Formulas for Estimating Fetus Weight and Age*](https://goo.gl/qiMOXh). (H. J. Shaji, M. C. Portillo, & M. M. Zdanowicz, Eds.) [Journal of Community & Public Health Nursing](https://www.omicsonline.org/community-public-health-nursing.php), 3(2), 1-5. doi:[10.4172/2471-9846.1000163](http://dx.doi.org/10.4172/2471-9846.1000163)
16. [Nguyen, L.](http://www.locnguyen.net) (2016, October 31). [Beta Likelihood Estimation in Learning Bayesian Network Parameter](https://goo.gl/R4dwrf). In [United Scholars Publications](http://www.unitedscholars.net) (Author), [Advances in Computer Networks and Information Technology (Vol. II)](https://www.amazon.com/dp/1539855228). USA: CreateSpace Independent Publishing Platform. Retrieved from <https://goo.gl/R4dwrf>
17. [Nguyen, L.](http://www.locnguyen.net) (2016, October 18). [*Estimating Peak Bone Mineral Density in Osteoporosis Diagnosis by Maximum Distribution*](http://www.aascit.org/journal/archive2?journalId=906&paperId=4532). International Journal of Clinical Medicine Research ([IJCMR](http://www.aascit.org/journal/archive?journalId=906&issueId=9060305)), 3(5), 76-80. Retrieved from <http://www.aascit.org/journal/archive2?journalId=906&paperId=4532>
18. [Nguyen, L.](http://www.locnguyen.net) (2016, August 18). [*A New Aware-context Collaborative Filtering Approach by Applying Multivariate Logistic Regression Model into General User Pattern*](http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=69840). [(F. Shi, Ed.)](http://www.scirp.org/Journal/EditorialBoard.aspx?JournalID=2425) Journal of Data Analysis and Information Processing ([JDAIP](http://www.scirp.org/Journal/Home.aspx?IssueID=8339#69840)), 4(3), 124-131. doi:[10.4236/jdaip.2016.43011](http://dx.doi.org/10.4236/jdaip.2016.43011)
19. [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)
20. [Nguyen, L.](http://www.locnguyen.net) (2016, June 17). [*Tutorial on Hidden Markov Model*](http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=147&doi=10.11648/j.acm.s.2017060401.12). ([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), 16-38. doi:[10.11648/j.acm.s.2017060401.12](http://dx.doi.org/10.11648/j.acm.s.2017060401.12)
21. [Nguyen, L.](http://www.locnguyen.net) (2016, June 17). [*Tutorial on Support Vector Machine*](http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=147&doi=10.11648/j.acm.s.2017060401.11). ([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), 1-15. doi:[10.11648/j.acm.s.2017060401.11](http://dx.doi.org/10.11648/j.acm.s.2017060401.11)
22. [Nguyen, L.](http://www.locnguyen.net) (2016, June 10). [*Continuous Observation Hidden Markov Model*](http://kasmerajournal.com/kasmer/index.php/archive/part/44/6/1/?currentVol=44&currentissue=6). (M. G. De Garcia, Ed.) [Kasmera Journal](http://kasmerajournal.com/show.php?v=44&i=6), 44(6), 65-149.
23. [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).
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25. [Nguyen, L.](http://www.locnguyen.net) (2016, March 28). [*Theorem of SIGMA-gate Inference in Bayesian Network*](http://www.multidisciplinarywulfenia.org/auto/index.php/archive/part/23/3/1/?currentVol=23&currentissue=3). (V. S. Franz, Ed.) [Wulfenia Journal](http://multidisciplinarywulfenia.org/archive/index.php/?volume=23&issue=3), 23(3), 280-289.
26. [Nguyen, L.](http://www.locnguyen.net) (2016, February). [*Specifying Prior Probabilities in Bayesian Network by Maximum Likelihood Estimation method*](http://sylwan.ibles.org/syl/index.php/archive/part/160/2/2/?currentVol=160&currentissue=2). (B. N. Buszewski, Ed.) [Sylwan Journal](http://sylwan.ibles.org/archive.php?v=160&i=2), 160(2), 281-298.
27. [Nguyen, L.](http://www.locnguyen.net), & Ho, H. (2015, November 23). [*A proposed method for choice of sample size without pre-defining error*](http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=61363). (F. Shi, Ed.) Journal of Data Analysis and Information Processing ([JDAIP](http://www.scirp.org/Journal/Home.aspx?IssueID=7140#61363)), 3(4), 163-167. doi:[10.4236/jdaip.2015.34016](http://dx.doi.org/10.4236/jdaip.2015.34016)
28. [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>
29. [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)
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33. [Nguyen, L.](http://www.locnguyen.net), & Ho, H. (2015, January 12). [*A fast computational formula for Kappa coefficient*](http://www.sciencepublishinggroup.com/journal/paperinfo.aspx?journalid=159&doi=10.11648/j.sjcm.20150401.11). (A. Genc, S.-A. Xue, R. Rison, & V. Rocha, Eds.) Science Journal of Clinical Medicine ([SJCM](http://www.sciencepublishinggroup.com/journal/archive.aspx?journalid=159&issueid=1590401)), 4 (1), 1-3. doi:[10.11648/j.sjcm.20150401.11](http://dx.doi.org/10.11648/j.sjcm.20150401.11)
34. [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>

## [Science and Technology - Books](http://www.locnguyen.net/st/books)

1. [Nguyen, L](http://www.locnguyen.net). (2018, April 13). [*Tutorial on EM Algorithm*](https://www.morebooks.shop/store/gb/book/tutorial-on-em-algorithm/isbn/978-613-9-81971-3) (1st ed.). (H. Bachoo, Ed.) Long Xuyen, An Giang, Vietnam: [Lambert Academic Publishing](https://www.lap-publishing.com). Retrieved from <https://www.morebooks.shop/store/gb/book/tutorial-on-em-algorithm/isbn/978-613-9-81971-3>
2. [Nguyen, L](http://www.locnguyen.net). (2015, December 15). [*Matrix Analysis and Calculus*](https://www.shuyuan.sg/store/gb/book/matrix-analysis-and-calculus/isbn/978-3-659-69400-4) (1st ed.). (C. Evans, Ed.) Hanoi, Vietnam: [Lambert Academic Publishing](https://www.lap-publishing.com). Retrieved from <https://www.shuyuan.sg/store/gb/book/matrix-analysis-and-calculus/isbn/978-3-659-69400-4>

## [Science and Technology - Dissertations](http://www.locnguyen.net/st/dissertations)

1. [Nguyen, L](http://www.locnguyen.net). (2015, July 27). [Mathematical Approaches to User Modeling](https://goo.gl/9dFjZu). London Mathematical Society ([LMS](http://www.lms.ac.uk)). [Journals Consortium](http://pgd.journalsconsortium.org). Retrieved from <https://goo.gl/9dFjZu>

## [Social Science - Articles](http://www.locnguyen.net/ss/articles" \t "_blank)

1. [Nguyen, L.](http://www.locnguyen.net) (2016, November 15). [*The cross reference between personal traits and human intelligences leading the new viewpoint in educational management*](http://www.researchersworld.com/vol7/issue4_1/Paper_17.pdf). [(V. S. More, Ed.)](http://www.researchersworld.com/editorial_board.html) Researchers World : Journal of Arts, Science and Commerce ([RW-JASC](http://www.researchersworld.com/vol7/issue4/index.html)), VII(4\_1), 147-152. doi:[10.18843/rwjasc/v7i4(1)/17](http://dx.doi.org/10.18843/rwjasc/v7i4(1)/17)

# VI. Products and Projects

## [Science and Technology](http://www.locnguyen.net/st/products)

1. **[REM - Regression models based on expectation maximization algorithm](http://rem.locnguyen.net" \t "_blank)** (2018, September).

|  |  |
| --- | --- |
| *Type* | Research project |
| *Identifiers* |  |
| *Organizations* | *Operating agency*: [Loc Nguyen’s Academic Network](http://an.locnguyen.net/).  *Funding agency*: Prof. Dr. Thu-Hang Thi Ho  *Award agency*: [International Technology and Science Publications (ITS)](http://www.itspoa.com).  *Members*: [Loc Nguyen](http://www.locnguyen.net), Thu-Hang Thi Ho. |
| *Role* | Leader |
| *Amount* | 1,600$ |
| *Duration* | 03/2018 - 09/2018 |
| *Links* | <http://rem.locnguyen.net> |

1. The book [“](https://www.shuyuan.sg/store/gb/book/matrix-analysis-and-calculus/isbn/978-3-659-69400-4" \t "_blank)**[Matrix Analysis and Calculus](https://www.shuyuan.sg/store/gb/book/matrix-analysis-and-calculus/isbn/978-3-659-69400-4" \t "_blank)**[”](https://www.shuyuan.sg/store/gb/book/matrix-analysis-and-calculus/isbn/978-3-659-69400-4" \t "_blank) (2015, December 15).

|  |  |
| --- | --- |
| *Type* | Book |
| *Identifiers* | ISBN-13: 978-3-659-69400-4, ISBN-13: 978-3-659-69400-4  EAN: 9783659694004  Number of pages: 72 |
| *Organizations* | *Operating agency*: [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam.  *Awarding agency*: [LAMBERT Academic Publishing](https://www.lap-publishing.com) - a trademark of OmniScriptum GmbH & Co. KG. *Editor*: Carolyn Evans.  *Members*: [Loc Nguyen](http://www.locnguyen.net). |
| *Role* | Author |
| *Amount* | 100$ |
| *Duration* | 01/2014 - 12/2015 |
| *Links* | <https://www.shuyuan.sg/store/gb/book/matrix-analysis-and-calculus/isbn/978-3-659-69400-4> |

1. 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).

|  |  |
| --- | --- |
| *Type* | Special Issue |
| *In* | [Applied and Computational Mathematics (ACM)](http://www.sciencepublishinggroup.com/j/acm).  *ISSN online*: 2328-5613, *ISSN print*: 2328-5605, *Open Access*.  *Editors*: Abbdul-Sattar Jaber Al-Saif and [more](http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=147).  *Editors of Special Issue*: [Loc Nguyen](http://membership.sciencepublishinggroup.com/ngphloc) and [his group](http://www.sciencepublishinggroup.com/specialissue/147012).  *Publisher*: [Science Publishing Group](http://www.sciencepublishinggroup.com). |
| *Identifiers* |  |
| *Organizations* | *Funding agency*: [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam.  *Awarding agency*: [Science Publishing Group](http://www.sciencepublishinggroup.com).  *Members*: [Loc Nguyen](http://www.locnguyen.net) and [his group](http://www.sciencepublishinggroup.com/specialissue/147012). |
| *Role* | [Leader Guest Editor](https://drive.google.com/file/d/0ByHQY9CungG-YUY0c1R5TW1yLW8/view?usp=sharing) |
| *Amount* | 5,000$ |
| *Duration* | 2015 - 2017 |
| *Links* | <http://www.sciencepublishinggroup.com/specialissue/147012> |

1. 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).

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| --- | --- |
| *Type* | Book |
| *Identifiers* |  |
| *Organizations* | *Operating agency*: [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam.  *Awarding agency*: [Scientific Research Publishing (SCIRP)](http://www.scirp.org).  *Members*: [Loc Nguyen](http://www.locnguyen.net). |
| *Role* | Author |
| *Amount* | 24,000$ |
| *Duration* | 2014 - 2016 |
| *Links* | <http://mum.locnguyen.net> |

1. The mathematical research “**Approximation of analytic function**” (2014).

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| --- | --- |
| *Type* | Research articles |
| *Identifiers* |  |
| *Organizations* | *Funding agency*: [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam.  *Academic agency*: [Institute of Mathematics](http://math.ac.vn/en) - Vietnam Academy of Science and Technology.  *Members*: [Loc Nguyen](http://www.locnguyen.net). |
| *Role* | Author |
| *Amount* | 200$ |
| *Duration* | 10/2013 - 08/2014 |
| *Links* | <http://www.aascit.org/journal/archive2?journalId=921&paperId=1017>. <http://www.aascit.org/journal/archive2?journalId=921&paperId=1016>. |

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

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| *Type* | Research project and middleware |
| *Identifiers* |  |
| *Organizations* | *Operating agencies*: [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam and [Ho Chi Minh University of Information Technology](http://www.uit.edu.vn) represented by [Prof. Dr. Minh-Phung Thi Do](http://httt.uit.edu.vn/web/student/intro/chitietgv/GV11) [*Awarding agency*](https://drive.google.com/file/d/0ByHQY9CungG-d2VOUk1WWTd4UjQ/view?usp=sharing): Vietnam Chamber of Commerce and Industry ([VCCI](http://www.vcci.com.vn)).  *Members*: [Loc Nguyen](http://www.locnguyen.net), [Minh-Phung Thi Do](http://httt.uit.edu.vn/web/student/intro/chitietgv/GV11). |
| *Role* | Leader |
| *Amount* | 76,000 |
| *Duration* | 2011 - 2013 |
| *Links* | <http://www.hudup.net> |

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

|  |  |
| --- | --- |
| *Type* | Research project |
| *Identifiers* |  |
| *Organizations* | *Operating agency*: [Sunflower Soft Company](http://www.sunflowersoft.net), Vietnam.  *Funding agency*: [Vinh Long General Hospital](http://www.sunflowersoft.net), Ministry of Health, Vietnam, pepresented by Prof. Dr. Thu-Hang Thi Ho  *Members*: [Loc Nguyen](http://www.locnguyen.net), Thu-Hang Thi Ho. |
| *Role* | Leader |
| *Amount* | 1,400$ |
| *Duration* | 2011 - 2013 |
| *Links* | <http://phoebe.locnguyen.net> |

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

|  |  |
| --- | --- |
| *Type* | PhD dissertation |
| *Identifiers* |  |
| *Organizations* | *Operating agency*: Individual and Prof. Dr. Bich-Thuy Thi Dong.  *Academic agency*: [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), Vietnam.  *Members*: [Loc Nguyen](http://www.locnguyen.net), Bich-Thuy Thi Dong. |
| *Role* | Leader |
| *Amount* |  |
| *Duration* | 2007 - 2009 |
| *Links* | <http://zebra.locnguyen.net>. |

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

|  |  |
| --- | --- |
| *Type* | Master dissertation |
| *Identifiers* |  |
| *Organizations* | *Operating agency*: Individual and Prof. Cao-Van Doan.  *Funding agency*: [Ho Chi Minh University of Science](http://en.vnuhcm.edu.vn), Vietnam and [An Giang University](http://www.agu.edu.vn), Vietnam.  *Members*: [Loc Nguyen](http://www.locnguyen.net), Cao-Van Doan. |
| *Role* | Leader |
| *Amount* |  |
| *Duration* | 2002 - 2005 |
| *Links* | <http://agmagic.locnguyen.net> |

1. **[Design - Implementation of database algebra algorithms](http://design.locnguyen.net" \t "_blank)** (2004).

|  |  |
| --- | --- |
| *Type* | Computer software |
| *Identifiers* |  |
| *Organizations* | *Operating agency*: Individual.  *Academic agency*: [Ho Chi Minh University of Science](http://www.hcmus.edu.vn), Vietnam with the supervisor Prof. Dr. Diem-Tien Thi Nguyen  *Members*: [Loc Nguyen](http://www.locnguyen.net). |
| *Role* | Leader |
| *Amount* |  |
| *Duration* | 2000 - 2004 |
| *Links* | <http://design.locnguyen.net> |