

Phuong Nguyen, MSc.

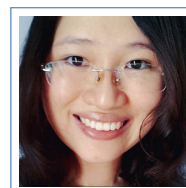
Curriculum Vitae

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📄 [emmanguyen.github.io](https://github.com/emmanguyen.github.io)



Education

- 2013–2014 **Master**, *Paris 13 University, Math and Computer Science.*
Specialize in Mathematical Model, Image and Algorithm.
- 2009–2013 **BSc.**, *Vietnam National University - Ho Chi Minh, Math and Computer Science.*
Specialize in Analysis with Distinction. Dissertation score: 10/10. Dean's list in Graduation.
- 2006–2009 **High School Diploma**, *Vietnam National University - Ho Chi Minh, .*
Specialize in Computer Science with Distinction.

Certificates

- 2016 - **Data Science Program**, *Galvanized.*
Expected A 12-week program at San Francisco campus. Expected to commence in June 2016.
- 2015 **Coursera**, *Stanford University*, Machine Learning, Associate Professor Andrew Ng.
Completion with 99.3 % Achievement.
- 2015 **Coursera**, *University of Illinois*, Data Mining, Professor Jiawei Han.
Completion with 96.7 % Achievement for Clustering Specialization. Top performer.
- 2011 **Stanford Technology Venture Program**, Gear-Up, Professor Tom Konisk.
Completed 7-day Bootcamp. Pitched a Social Enterprise Project about Arts Therapy Event.

Experience

Vocational

- 8/15-Present **Independent Researcher.**
Data Analysis, Deep Learning, Python, R, Linux, Visualization, Probability, Statistics
Explored Data in four Projects with Python and R. Initialized a collaborative research project.
Strong interest in Cognitive Computing, Data Science and User Experience.
- 5/15-7/5 **Research Engineer**, *Singapore Management University*, Information Systems.
Data Privacy, Cryptography, Probability, Number Theory, Programming, R, C/C++
Developed a new encryption protocol for database servers by working on theory and mathematical framework. Built prototypes to evaluate an efficiency of method.
- 8/14- 4/15 **General Manager, Content Lead**, *INSPI.CORP*, Internet-based Startup, Vietnam.
Psychology, Scrum, Agile, Content Writing, Management, UX Design, Design Research.
Researched and developed a working framework for over 600 original articles and 3 new projects. Managed a team of 7-15 people including writers, engineers and marketers.

- 4/14-7/14 **Research Intern**, *École Polytechnique*, Center of Applied Mathematics, France.
Modelling, Programming, MATLAB, FORTRAN90, Academic Writing, Problem Solving.
Simulated a diffusion in brain grey matter. Worked on Linux OS and utilized several open source packages. Solved a numerical equation by finite volume method.
- 9/12-12/13 **Research Intern**, *Liti Solution*, Internet-based Start-up, Vietnam.
Business Writing, Quantitative Research, Video Editing, Product Analysis, Market Research.
Studied and evaluated product features suggested to web-app developers. Assisted a team to promote the product in the final round of an entrepreneur idea contest.

Projects

- 1/16 - **Cyclops**, *Computer Vision*, Collaborative Research Project, Core Member.
- 1/14 - 4/14 **MBTI Visual Quiz**, *Personality test*, Psychology Project, Team Lead.
- 9/12 - 1/13 **Knowledge Base**, *Applied Math*, Vietnam National Uni. - HCM, Project Manager.
- 9/11 - 1/12 **Knowledge Base**, *Applied Math*, Vietnam National Uni. - HCM, Project Manager.

Skills and abilities

Programming Python, R, Matlab (Advance), C/C++, Javascript, SQL, Linux cmd (Competent)

Communication Vietnamese (Native), English (Full Professional), French, Japanese. (Elementary)

Multimedia Adobe Photoshop/ Illustrator/ After Effect, Sony Vegas

Framework Design Thinking, Agile, Scrum, Kanban, Design Research

Research Machine Learning, Visualization, Statistics, Probability, Experimental Design

Awards and Fellowships

- Four-year Ph.D Fellowship by Singapore Management University in 2015.
- Master Fellowship by Vietnam Government and Ecole Polytechnique in 2014.
- Three-year Ph.D Fellowship by the University of Adelaide - Australia in 2013.
- Third Rank of Vietnam, Laos and Cambodia, "Go Green City" Creative Idea Contest, Schneider Electrics - France, 2013.
- Second Rank of "Adventure of Finding Solution", annual academic competition - Math and CS, Vietnam National University, 2012 (Team leader).
- Third Rank of "Excited at Computer Science", annual academic competition - Computer Science, Vietnam National University, 2011.
- Nguyen-Dinh-Chung-Song Mathematics Prize for the best students, 2006.
- First Rank in Mathematics for Excellent Students in Ho Chi Minh City, 2006.

Services & Membership

- 2011 - 2013 **Viet Journal of Science**, *NPO*, Writer and Editor.
- 2011 - 2013 **EXP Magazine**, *NPO*, Web Developer, Writer, Chief Executive, Editor-in-Chief.
- 2012 - 2014 **Frogleap Foundation**, *NGO*, Volunteer, Web Developer, Team Lead, Manager.
- 2011 - 2012 **Viet Youth Entrepreneur**, *NPO*, Graphic Designer, Team Lead.
- 2011 - 2012 **Viet Psychology**, *Peer-reviewed Blog*, Non Profit Project, Writer.

2009 - 2013 **Student Academic Club**, *Vietnam National Uni.*, Member, Executive, Team Lead.
2010 - 2012 **Student Design Club**, *Vietnam National Uni.*, Member, Executive, Team Lead.
2009 - 2013 **Student Union**, *Vietnam National Uni.*, Member, Executive.

More things about me ...

2015 **Blog - Designer, Developer, Writer**, [Vietnamese/ English Version](#).
2015 **Career Article - Writer**, *Viet Journal of Science*, [Vietnamese Version](#).
2014 **Interview**, *Viet Psychology*, [Vietnamese Version](#) .
2012 **Interview**, *Frogleap Foundation*, [Vietnamese Version](#).
2012 **Website - Developer/ Team Lead**, *Frogleap Foundation*, [English Version](#).
2012 **Blog - Designer, Developer, EXP** , [Vietnamese Version](#).

Updated on 18th, March, 2016