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## Education

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| <b>University of Houston</b><br><i>PhD in Computer Science, GPA: 4.0/4.0</i>                                 | <i>Sep 2014 – Sep 2019 (Expected)</i> |
| <b>University of The Philippines Diliman</b><br><i>MS in Computer Science, GPA: 3.7/4.0</i>                  | <i>Oct 2010 – Oct 2013</i>            |
| <b>HCM City University of Technology</b><br><i>Engineer Diploma in Electrical and Information Technology</i> | <i>Sep 1999 – Sep 2004</i>            |

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## Higher Education Experience

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| <b>University of Houston</b><br><i>Teaching Assistant</i>  | <i>Sep 2014 – Present</i> |
| <ul style="list-style-type: none"><li>• Courses: Computer Organization. Algorithms and Data Structure, Artificial Intelligence, Machine Learning.</li><li>• Prepared and instructed students on two course projects (prune search, reinforcement learning).</li></ul>  |                           |
| <i>Research Assistant</i>  |                           |
| <ul style="list-style-type: none"><li>• DHS SenseNet sub project on aerosol detection: supervised by Dr. Eick, investigated Gaussian Mixture model for biochemical threat detection from low-cost sensors measurements.</li><li>• NSF BigData Grant on distributed algorithms for network problems: supervised by Dr. Pandurangan, investigated network cascading influence model.</li></ul> |                           |

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## Skills and Interests

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**Programming:** Scala, Java, C++, C, Python, PHP, JavaScript. Past experience: Web development with Java EE 6, Yii, Zend.

**Interests:** concurrency and distributed computing (personal projects <https://github.com/ngpham>), distributed algorithms, asynchronous protocols, functional programming, parsing, Haskell, Coq.

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## Industrial Experience

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| <b>Lazada Vietnam</b><br><i>PHP Tech Lead</i>  | <i>Feb 2014 – Aug 2014</i> |
| <ul style="list-style-type: none"><li>• Developed Lazada e-commerce websites for SEA countries.</li><li>• Tech Lead on Search/Filter.</li><li>• Technologies: Yii, Zend, jQuery, ExtJS, MySQL, Solr, Mem-cache, Redis, RabbitMQ.</li></ul> |                            |
| <b>TMA Solutions Vietnam</b><br><i>Consultant</i>  | <i>Jan 2005 – Oct 2010</i> |
| <ul style="list-style-type: none"><li>• Onsite Engineer at Avaya (Nortel) R &amp; D Facility in Galway, Ireland.</li><li>• Supervise training for offshore team of over forty members.</li></ul>   |                            |

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## Publications

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Soumyottam Chatterjee, Reza Fathi, Gopal Pandurangan, Nguyen Dinh Pham. *Fast and Efficient Distributed Computation of Hamiltonian Cycles in Random Graphs*. 38th IEEE International Conference on Distributed Computing Systems, ICDCS 2018, Vienna, Austria, July 2-6, 2018.

Maleq Khan, Gopal Pandurangan, Nguyen Dinh Pham, Anil Vullikanti, Qin Zhang. *Improved Probabilistic Guarantees for Influence Maximization*. (Submitted to SDM)