

Phuc Dinh Trinh

Curriculum Vitae

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DOB: March 16, 1996



Education

- 2/2019 – present **Master of Engineering**, Department of Information and Communication Engineering, Soongsil University (SSU) South Korea.
- 2014 – 2018 **Bachelor's Degree of Information Technology**, Department of Computer Science, Telecommunications University (TCU) Vietnam, Aug 2018.
- CGPA: 3.30/4 via 204 credits.
 - Thesis: *Pneumonia Diagnosis using Lung's XRay with Depthwise Convolution*. Final grade: 9.1/10 (top of the class).
- 12/2017 – 08/2018 **Machine Learning training course**, CBD Robotics, Ho Chi Minh City, Vietnam.

Work Experiences

- 08/2018 – **Data Analyst (full time)**, POPS WorldWide, District 10, Ho Chi Minh City, Vietnam.
- Work Worked with advanced queries and calculations to draw conclusions about data findings. Utilized BigQuery, data warehousing programs, Power BI, Excel and other dashboard/visualization toolsets for data intelligence and analysis. Parsing complex data structures into databases (MongoDB) using Python. Setup a Cloudera Hadoop eco-system to store and manage network traces with extensive analytics using Tableau.
- 12/2017 – 08/2018 **Machine Learning Engineer intern (part time intern)**, CBD Robotics, District 2, Ho Chi Minh City, Vietnam.
- Work Used machine learning and statistical modeling techniques to develop and evaluated algorithms to improve performance, quality, data management and accuracy. Participated in training programs in data science, statistics, optimization and machine learning.
- 04/2018 – 7/2018 **Data Analyst intern (full time intern)**, DevNet, Khanh Hoa, Vietnam.
- Work Utilized Google Analytics, Facebook Analytics to identify, analyze and excutte new and potential markets. Troubleshoot ETL failures and performed manual loads using SQL stored procedures.
- 07/2016 – 10/2017 **Data Engineer intern (full time intern)**, SweetSoft Solutions, Khanh Hoa, Vietnam. Utilized MapReduce, HDFS, Hive, Pig, Spring Batch & MongoDB.

Publications

- [Internaltional Conf] **Abnormal SDN switches detection based on chaotic analysis of network traffic**. [T. D. Phuc, Lee Tae Hee, Minhho Park], The 25th Asia-Pacific Conference on Communications (APCC).

[Internaltional Conf] **A Hybrid Approach to Detect Economic Denial of Sustainability (EDoS) attack in SDN-based Cloud using Generative Adversarial Networks.**
[T. D. Phuc, Minho Park], The 18th IEEE International Symposium on Network Computing and Applications (NCA 2019),

Award & Honors

- March 2019 **Received a fully-funded Master scholarship at Soongsil University, Seoul - South Korea.**
- July 2018 **Entropy 2018 - Data Analytics Competition.**
Advanced to the semi-final round of ENTROPY 2018 by JVN (John Von Neumann).
- Feb 2008 **English speaking competition (India - Vietnam) 2018.**
The first prize in English speaking competition of celebrating 13 years of India - Vietnam relations.
- Dec 2016 **CTF - Information security competition.**
The third prize team in capture the flag (CTF) competition in Da Nang.

Skills

- English IELTS 6.5 overall (Listening:7.0, Reading:7.0, Writing:6.0, Speaking:6.5), Toeic 750.
- Programming Languages Python, C/C++, C-Sharp, Scala, SQL, R.
- DataBases LiteSQL, MySQL, SQL Sever, MongoDB, DB2.
- Mathematics Algebra, Calculus, Probability, Statistic.
- NLP Text summary, sentiment classification, text clustering, topic modeling, Bag-of-Words, Word2Vector, Sen2Vec, n-grams, TF/IDF, LDA, LSA, NNMF.
- Computer Vision Corner Detector, Homographies, Image Warping, Augmented Reality.
- System Linux.