

Vutha Phav (Mr.)

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I. Educational Background

2013/Oct – Present	Tokyo Institute of Technology (PhD Candidate, E-commerce and Internet– Yokohama, Japan)
2011/Oct – 2013/Sept	Tokyo Institute of Technology (Master of Science, Bioinformatics – Yokohama, Japan)
2011/Apr – 2011/Sept	Tokyo Institute of Technology (Research Student - Yokohama, Japan)
2010/July – 2011/Feb	Japan Foundation, Japanese Language Institute, Kansai (Japanese - Osaka, Japan)
2004/Aug – 2009/July	Dali University (Bachelor of Science with Excellent, Computer Science – Yunnan, China)

II. Project Experience at Private Company

2017/Mar - Present	Oscillated Recall Technology Inc, Supporting Researcher Propose and develop a new image recognition method by integrating Moving Average and Kernel Regression algorithm with bandwidth optimization and successfully apply on different dataset such as pulse wave and molecular image (Tool by Python and R)
2016/Nov – 2017/Feb	IMC Planning Inc, Software Engineer Develop a mobile recommending system for online shopping user in Japan (Android)
2015/Apr – 2016/Jan	Creationline Inc, Software Engineer Develop two back-end software projects: A cloud infrastructure system for online computing service and mindset diagnosis system for employee stress treatment in Japan (Web Application by Python)

III. Technical Skill

Programming	Proficient with Python, R, Java (Biojava, Android, Genomics Sequence Search), Sparql (LOD) Experienced with Matlab for Dynamics Simulation, and JavaScript
Operating System	Linux CentOS and Mac OS
DBMS	MySQL, and SQLite
Machine Learning	Developed a new image recognition method by integrating Moving Average and Kernel Regression for image recognition with bandwidth Experienced with Monte-Carlos simulation for a large-scale sequence association search, and Artificial Neural Network for e-market estimation

IV. Knowledge of Foreign language

English	Business Level (Toefl iBT: 92)
Mandarin	Business Level
Japanese	Intermediate Level

V. Scholarship and Award

2011/Apr – 2016/Sept	Japanese government scholarship (MEXT) 2011 - 2016 for graduate program at TiTech
2012/Apr	Stock simulation system competition award (TiTech Rank No. 2 –Yokohama, Japan)
2010/Oct – 2011/Feb	Asian Youth Fellowship 2010 (An ASEAN network representative - Osaka, Japan)

2004/Oct – 2009/July	Dali University excellent graduate thesis award (Yunnan, China)
2010/July	Undergraduate scholarship to Dali University (Rank No. 1 - Yunnan, China)

VI. Publication

2016/Oct	Vutha Phav and Akihiko Konagaya. An E-commerce Infrastructure Growth Analysis and Estimation: A Case Study of Cambodia and China. Proceeding of Asian Conference on Information Systems 2016.
2013/Sept	Master's Research Thesis: Computational approach to Epigenetics for Prognosis and Therapeutics of Breast Cancer (Supervisor: Prof. Akihiko KONAGAYA)
June/2009	Master's Research Project: Y. WATANABE, V. PHAV, T. KITAJIMA, and H. KIDOWAKI. The Complex Model of Infectious Influenza Analysis (Departmental Research Project)
2012/July	Bachelor's Research Thesis: Implementation and Comparison based on the Grid Technology Enterprise of Oracle (Supervisor: Prof. Jian YANG, Dali University - Yunnan, China)

VII. Presentation

2016/Oct/27-29	An E-commerce Infrastructure Growth Analysis and Estimation: A Case Study of Cambodia and China. Asian Conference on Information Systems 2016 (Oral Presentation – Krabi, Thailand)
2011/July/13	Computational approach to validate long-range chromatin association between estrogen receptor alpha proteins and candidate of breast cancer MCF-7 within different human reference genomes. International joint conference on informatics in biology, medicine and pharmacology (Poster presentation - Tokyo, Japan)
2013/Sept/20	Comparison of Computational approaches to estimate long-range chromatin interaction between candidate genes and estrogen receptor alpha proteins. International Conference on Bioinformatics 2013 (Oral presentation - Taicang, China)
2013/Oct/29	Computational approach to ChIP-Seq of ER-alpha and H3K4me3 for promoter regulator in breast cancer. Proceeding of Intelligent System for Molecular Biology (ISMB 2012) (Poster Presentation - Long Beach, California, USA)