

Minh-Hoang Nguyen

Introduction

I am an enthusiastic IT man and an open-minded person who is willing to face with any challenge although it is difficult or needs me take time to research for giving solution. Sharing precious knowledge, making awesome products are something in my mind. With responsibility, I always tend to try my best, aim to unlimited revolution.

Information

Fullname	MINH-HOANG NGUYEN
Gender	Male
Nationality	Vietnamese
Birthday	October 23rd 1990
Phone number	+84 16899 859 56

Interest

- Product Development
- Mobile Development
- UI/UX Analysis
- Big Data
- High Scalability System



Education

09/2008 - 07/2012 Bachelor Degree

Computer Science, University of Engineering and Technology, Vietnam National University, Hanoi (VNU)

Working Experience

08/2013 - Now Mobile Team, [Kloon Ltd](#)

- **Position** Solution Engineer (iOS)
- **Technology** PDF Technology, Data Encryption, Bluetooth Low Energy Technology, Core Graphics
- **Project**
 - o **PadPublisher** An application for distributing digital content, focusing on PDF Document integrated multimedia content. In this project, I contributed two functions including *Search and Highlight PDF*, *Data Encrypting (remotely and locally)*. 
 - o **Party Smart** A mobile application that allows user to see in realtime the number of men and women partying at your favorite bars. 

08/2012 - 05/2013 Data Mining Team, [VTC Online, VTC Corporation](#)

Conducting Text Mining services such as Keyword Extraction, News Clustering and applying to a news aggregator system named [Go News](#). Besides, I also participated in building a film recommendation system for [Vivo](#).

- **Position** Key Developer
- **Research Area** Recommendation System, Keyword Extraction, News Clustering, Text Processing
- **Project**
 - o **News Keyword Extraction** Extracting keywords for a piece of news. A list of keywords for the given news is extracted using a complex model which is based on some cutting-edge algorithms.
 - o **News Clustering** Building a news clustering system which aims to group some similar headlines into a bucket and help users catch the story in an easy way.

10/2010 - 07/2012 [Knowledge Technology Laboratory \(KTLab\)](#)

Research and implement Data Mining algorithms, focusing on four sub-domains: Media Mining (mainly in Image Clustering and Ranking), Data Extraction (especially Event Extraction), Social Network Analysis (concentrating on Twitter) and Applied Machine Learning.

- **Position** Research Assistant
- **Research Area** Information Extraction, Information Retrieval, Text Mining, Image Mining, Social Network Analysis
- **Project**

- o [VnLoc: Vietnamese news event monitoring](#) A Realtime News Event Extraction Framework for Vietnamese.
- o Clustering and Ranking Images From Result of Meta-Search Engine

04/2011 - 08/2011 [Vietnam Office of Saltlux Inc.](#)

- **Position** Research Assistant
- **Research Area** Text Mining, Classification
- **Project** Comparing SVM, TSVM, SVM-kNN and apply on a small training data and a large unlabeled data

07/2010 - 10/2010 [A.N Lab Company](#)

- **Position** Research Assistant
- **Research Area** Software Verification, Software Classification
- **Project** Building White-Box Testing Tool

Grant and Award

- First Prize at the Annual Student Research Conference 2012, Faculty of Information Technology, UET/Coltech, VNU
- Third Prize at the Annual Student Research Conference 2011, Faculty of Information Technology, UET/Coltech, VNU
- Government Scholarship for Excellent Student in the Honor Program, University of Engineering and Technology (UET), VNU, Hanoi
- Third Prize at the National Olympiad in Informatics, 19th, Vietnam Association for Information Processing (VAIP) & Ministry of Education and Training (MOET)

Publication

[VnLoc: A Realtime News Event Extraction Framework for Vietnamese, KSE 2012](#)

Event Extraction is a complex and interesting topic in Information Extraction that includes event extraction methods from free text or web data. The result of event extraction systems can be used in several fields such as risk analysis

systems, online monitoring systems or decide support tools. In this paper, we introduce a method that combines lexico-semantic and machine learning to extract event from Vietnamese news. Furthermore, we concentrate to describe event online monitoring system named VnLoc based on the method that was proposed above to extract event in Vietnamese language. Besides, in experiment phase, we have evaluated this method based on precision, recall and F1 measure. At this time of experiment, we on investigated on three types of event: FIRE, CRIME and TRANSPORT ACCIDENT.

Certification

- Fundamental Information Technology Engineer Skill Standards (FE) by [VITEC](#)
- IBM Certified Solution Designer, Object Oriented Analysis and Design, vUML2 by [IBM Corporation](#)

Open Source

- [HUChart](#) A simple chart library for iOS to draw semi-circle chart for some cases which has a LITTLE SPACE to make a full circle chart.
- [iLL](#) iOS Library List - A useful collection for iOS developers.
- [HUsyntactic](#) A syntactic parser uses CYK (CKY), Earley. Best fit for English, Vietnamese.

Technical Skill

Programming Language

Objective-C	★★★★★
Java	★★★★★
Python	★★★★☆
Tex	★★★★★
Markdown	★★★★★
Matlab	★★★★★

★★★★★ Using without any inconvenient

★★★★☆ Using with a little inconvenient but easy to pass any challenge

★★★★ Need time to solve unfamiliar problems

Technology

- Core Graphics for drawing or customizing UI Components
- PDF Content Processing (Extracting, Searching, Highlighting)
- Signal Communication with Bluetooth Low Energy (using on iPhone 4S or later)
- Database Integrated, experience in SQL (SQLite, MySQL), NoSQL (MongoDB, HBase)
- Push Technology (Polling, Long Polling, Web Socket)
- Data Encryption & Security (AES 128/192/256, One-time Password)

Language Skill

- **English** Professional working proficiency
- **Vietnamese** Native or bilingual proficiency

Other skill

- **Project Management** intermediate level with 1.5 years experience with SCRUM
- **Scientific Research** upper-intermediate level with 2 years experience
- **Time Management**

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