

# Curriculum Vitae

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**Vu Anh**

Big Data & AI Department  
Momo  
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<https://momo.vn/>

Phu My Hung Tower, Tan Phu, District 7  
Ho Chi Minh, Viet Nam

## ❖ Experience

### Senior Natural Language Processing Research Engineer

*2016-present*

*2016-present:* **underthesea**

**underthesea**

Open source Vietnamese NLP toolkit, 950+ github star

*2020:* Fourth Place in the shared task of Dependency Parsing VLSP'20

Archive 78.58 *UAS* and 70.04 *LAS*

*2018:* Second Place in the shared task of Sentiment Analysis VLSP'18

Archive 64.2  $F_1$  in restaurant domain, 58.7  $F_1$  in hotel domain

*2016:* Second Place in the shared task of Named Entity Recognition VLSP'16

Archive 85.6  $F_1$ , SOTA in nested NER tag

### Lead Research Scientist - AI, Machine Learning

*2021-present*

*2021-present:* Momo Chatbot Platform

Momo, Viet Nam

Research and develop Conversation AI platform, deep focus on Vietnamese natural language understanding and dialog state tracking system

### Big Data & AI Technical Leader

*2021*

*2021:* VNDirect Datawarehouse & AI System

VNDIRECT, Viet Nam

Design and build data warehouse, develop eKYC system and NLP applications

### Data Science Manager

*2018-2020*

*2020:* NewsAI

OSP, Viet Nam

Build a personalized news recommendation product

*2019:* YottaData Platform

Develop a big data platform for Telcos and Airlines, win Vietnam Digital Awards 2019

*2018:* OSP Credit Scoring System

Build a credit scoring system leveraging telecom data and social media data

*2018:* OSP Customer Insight

Construct user profiles for hybrid recommender system

### Solution Leader

*2014-2017*

*2016-2017:* Social Box

llink, Viet Nam

Build social monitoring system for mining very large data in social media

*2014-2015:* Big Crawler

Build large scale and flexible crawler framework using Big Data technologies

## ❖ Education

**B.A., Software Engineer**

Good Certificate

*2009-2014*

Hanoi University of Science and Technology, Viet Nam

## ❖ Publications

**How MoMo Builds an AI Chatbot**

*Momo Technology Blog'2022*

Vu Anh, Hieu Tran, Hang Le, Thinh Nguyen, Mai Nguyen

**A System for Aspect Based Sentiment Analysis at VLSP 2018**

*VLSP'18*

Vu Anh, Bui Nhat Anh

**Named Entity Recognition in Vietnamese using CRF**

*VLSP'16*

Vu Anh, Le Minh Tuan, Le Minh Hung

## ❖ Certifications

**CCA Spark and Hadoop Developer Exam (CCA175)**

*September 2020-present*

License 100-023-710

cloudera

**Deep Learning Specialization**

*February 2018-present*

License 384YXEJ89KN6

coursera

**Machine Learning**

*April 2016-present*

License MNE2P9TPHPY

coursera

## ❖ Qualifications

*Major languages:* Vietnamese, Python, Java, C/C++, Rust, Kotlin

*Technologies:* Natural Language Processing, Deep Learning, Big Data, Data Warehousing

*Libraries and tools:* Pytorch, TensorFlow, spaCy, pandas, Spark, Hadoop, Hive