

CURRICULUM VITAE

PERSONAL DETAILS:



- Name **NGUYEN VAN TAM**
- Nationality Vietnamese
- Date of Birth 16- April - 1987
- Marital status Single
- Health Excellent

LANGUAGES

- Vietnamese Mother tongue
- English Good
- Japanese N4

CONTACT INFORMATION

- Address No 2, Lane 157 Chua Lang street, Dong Da District, Hanoi City
- Mobile phone 0987 157 437
- Email nguyenvantamdk2@gmail.com

EDUCATION

- Bachelor of Automatic Control: good degree at Hanoi University Of Technology
- Machine learning/Deep Learning certificate: online course in Coursera

EMPLOYMENT HISTORY

<i>Period</i>	<i>Company</i>	<i>Job Title</i>
Aug/2010-Dec/2010	TNT company	Technical Engineer

Feb/2011-Sep/2018	PANASONIC R&D Center Vietnam	R&D Engineer
Sep/2018-Now	Cinnamon AI Laboratory	System/AI Engineer

ACHIEVEMENT

- The company's Best Project Award (year: 2016)
- The company's Outstanding Performance (year: 2017)
- The company's member of the month (year: 2019)

PROFESSIONAL EXPERIENCE SUMMARY

MANAGEMENT

- **Project manager:** 4 years +
- **Project size:** 4 - 8 members

TECHNIQUE

- **Embedded software / protocol:** 4 years
 - Compiler, middleware and protocol development
- **Mobile application development:** 3 years
 - Android / iOS application
- **Image Processing / Machine Learning / Deep Learning:** 3 years
 - Frameworks
 - OpenCV, Tensorflow, Keras, Yolo darknet, TVM/NNVM
 - Projects
 - License Plate recognition: using template matching for digit recognition
 - Traffic light detection: using support vector machine for classification
 - Face/Gender detection: using Haar Feature-based Cascade Classifiers
 - Video Effect: Friend Days and Harry-Poster effect
 - Braille Blocks detection: using support vector machine for classification
 - Digit recognition: using CNN
 - Movie suggestion: using Content Based and Collaborative method
 - House price prediction: ensemble regressors (XGB, Lasso, Ridge), CNN
 - Car classification: using CNN
 - Smart Cleaning Robot

- **Chatbot / Natural Language Processing: 1 year**
 - Frameworks
 - A.L.I.C.E
 - Google voice API
 - Nuance
 - IBM voice framework
 - Projects
 - Chabot application: using A.L.I.C.E + Gender/Face/Body detection
 - Smart Cleaning Robot

PROGRAMMING LANGUAGE / SOFTWARE

- **Programming Languages**
 - 3 years of experiences on Python
 - 4 years of experiences on C/C++
 - 4 years of experiences on Java/Android
 - 2 years of experiences on HTML/Javascript/Node JS
 - Others: ASM, iOS, Shell Script, Perl, MATLAB
- **Programming Tool**
 - Visual Studio 2008, 2010, 2012
 - Eclipse
 - Xcode
 - Android Studio
 - MATLAB and SIMULINK
 - PyCharm
- **Source Code Control**
 - SVN, Git, Bitbucket
- **Application Server**
 - NodeJS
 - Ruby on Rails
 - Amazon Web Service

- Nginx, Gunicorn, uWSGI, Django
- Apache Tomcat 7.x
- **Database**
 - MySQL, Sqlite, MongoDB, Elasticsearch
- **Design Tool**
 - StarUML, Astah, Microsoft Office
- **Operating systems**
 - Windows XP/7, Ubuntu, Mac

PROFESSIONAL EXPERIENCES

#NAME01

01/2011-11/2011

<i>Project Name</i>	#NAME01
<i>Project Description</i>	<p>This project develops a module of compiler that performs analyzing dependency of source code C</p> <p>This project also develops a supporting tool for visualizing the result from dependency analyzing</p> <p>Development Environment - Ubuntu</p>
<i>Project Duration</i>	January-2011 to November - 2011
<i>Project Size</i>	4 peoples
<i>Project Role</i>	Developer
<i>Technology</i>	<p>C++ language technology</p> <p>Compiler & Dependency Analysis Technique for language C</p> <p>HTML, Java Script and Perl Language</p>
<i>Job Description</i>	<p>Coding</p> <p>Unit Test</p>

#NAME02

12/2011-1/2013

Project Name #NAME02

Project Description This project build up algorithms, verify and evaluate those
This project also develops Android Application for visualizing the result of algorithm
This project works with RGB camera and Depth Sensor camera (Kinect)
Development Environment - Window + Ubuntu

Project Duration December-2011 to January - 2013

Project Size 4 peoples

Project Role Developer

Technology Computer Science technology (OpenCV and PCL)
C++ language technology
ASM language technology
Shell Script

Job Description Build up algorithm (Licence Plate Recognition, Traffic Light Recognition, Face Detection, Gesture Recognition)
Coding algorithms
Evaluate and test the algorithms

#NAME03

1/2013-6/2014

Project Name #NAME03

Project Description This project works in Robotic Technology and Cloud Technology
Development Environment - Window + Ubuntu

Project Duration January-2013 to June - 2014

Project Size 5 peoples

Project Role Developer

Technology Robotic Technology
MATLAB language technology
C language technology

Shell Script, Python

Job Description Develop modules to control Robot and the algorithm that helps the Robot generating the map automatically (SLAM 2D/3D algorithm)
Develop the image processing algorithm in MATLAB language to perform object detection that helps the Robot to avoid clash
Porting the algorithm on the Cloud Service (Microsoft Azure)

#NAME04

6/2014-12/2014

Project Name #NAME04

Project Description This project develop a middleware protocol

Project Duration June-2014 to December - 2014

Project Size 4 peoples

Project Role Technical Sub Leader

Technology C language technology
Shell Script

Job Description Develop the #NAME protocol in C language that performs communicating between devices in Smart House
Unit and combination test

#NAME05

12/2014-6/2015

Project Name #NAME05

Project Description This project develop modules related to Cloud Service

Project Duration December-2014 to now

Project Size 4 peoples
Project Role Technical Leader
Technology C language technology
Shell Script
Job Description Architecture Design and Detail Design
Manage and review other project members

#NAME06

7/2015-6/2017

Project Name #NAME06
Project Description This project develop mobile and web application (Android + iOS)
Project Size 5 members
Project Role Technical Leader, Project Leader
Technology Java, Objective C language technology
Job Description Architecture Design and Detail Design
Manage and review other project members

#NAME07

6/2017-12/2017

Project Name #NAME07
Project Description This project develop image/video effector
Project Size 8 members
Project Role Project Leader/ Technique Leader
Technology OpenCV, OpenGL technology, C/C++ language
Job Description Build algorithm
Manage and review other project members

#NAME08

1/2018-8/2018

Project Name #NAME08

Project Description This project develops a Chatbot application

Project Size 3 members

Project Role Project Leader / Technical Leader

Technology Chatbot, Deep learning technology, Python, HTML/Javascript language

Job Description Build deep learning module
Manage and review other project members

#NAME08

8/2018-Now

Project Name #NAME08

Project Description AI solution

Project Size 4-6 members

Project Role Delivery Leader

Technology Machine learning/ Deep learning, Amazon Web Service (AWS)

Job Description Build and deploy AI solution on AWS and ensure quality