CURRICULUM VITAE

PERSONAL INFORMATION

- Full Name   : CAO KY HAN

-Date of birth   : December 22nd ,1989

-Place of birth : Quang Ngai city.

-Marital status : Single

-Health condition   : Very good for working and study.

-Contact Address   : Ho Chi Minh City

-Gender   : Male

-Hobbies   : researching new technology, reading books.

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SUMMARY

I have a strong background in math, algorithms, machine learning and computer vision. Furthermore, my research interests include developing ios app, mobile game, machine learning ,computer vision and processing image. I have much experience in Software/Firmware development. It will be great for me to join in your company. I will try my best to work and contribute as much value as I can.

EDUCATION

- From 2007 to 2012   : Electronic and Telecommunication Student of Da Nang University of Technology

-From 2013-2015 : Master 's Degree - Control & Automation - Ho Chi Minh University of Technology

ACHIEVEMENT

-Got first prize in Mathematics of Quang Ngai Province.

- Got encourage prize in Mathematics of Viet Nam National.

- Got a Coursera Identity Verification about Machine Learning:

https://www.coursera.org/account/accomplishments/records/UXHKB58QYC6E

- Got a Coursera Identity Verification about Neural Networks and Deep Learning

https://www.coursera.org/account/accomplishments/verify/CUSW7JNKSV6E

- Got a Grooking Certificate about Big data Enginner.

KEY SKILLS

Soft skill:

- Effect communication and presentation skill

-Able to work my own initiative as well as team-work.

-Ability to work hard and attentively.

-Experienced problem solving skill

Technical skill

- Have experienced in working with Hadoop, Spark, pandas.

- Have experienced in OpenCV, tensorflow, gensims, scikit-learn

- Have experienced use PCA to reduce features of data.

- Have experienced use Hadoop and Kafka to build a log collector system.

- Know deeply about backpropagation and Gradient Desent

- Know deeply about trade off between variance and bias.

- Strong experienced with Linear regresstion, Logitics regression , Neural Network.

- Know deeply about machine learning such as SVM, K-mean, K nearest neighbor , Bayes, Anomaly Detection, Random Forest.

- Understand about deep learning such as CNN, RNN.

- Strong experienced with optimazation params and design a machine learning system

- Strong experienced with design patterns such as Singleton, MVC, Delegate, Observer, Prototype and etc.

- Programming language: C/C++, Python, matlab, Objective C..

- Programming softwave :Xcode, InteliJ IDEA ,Visual Studio, Eclipse, Matlab .

- Source Control : SVN, Git.

Foreign Language skill

-Intermediate English listening,reading , speaking & writing skills

Personalities

-Intelligent,creatives and sensitive

-Sense of responsibility

-Self-motivation

-Carefullness

WORK EXPERIENCE

- Experience from some projects such as:

➢ Okiela Recommendation: (Okiela Company)

- Project Description: Build a recommendation system for a e-commerce system.
- Link IOS app: itms-apps://itunes.apple.com/app/id1025624677
- Technology was used: Python, PySpark, Hadoop, gensim.
- Agorithim : Latent Factor Model + Content base.

- Using Software: PyCharm

➢ Tracking face project:

- Project Description: This is a project that involes computer vision, recognize pattern and machine learning. It was written on Mac and Ios platforms.
- Technology was used: C++ , Matlab code, Objective C, opencv 3.0
- Using Software: Xcode, Matlab

➢ Identification digits:

- Project Description:
  Research about methods improve argothims such as: adaboost , neural network , haar-like feature ,…to indentification digits on clepsydra. Working as a researcher at IES company.
- Technology was used: Matlab, openCv, C++
- Using Software: Visual Studio, Matlab.

➢ Some mobile games : (Boredninjas)

- Project Description: There are many mini games for mobile such as Snakes and ladders,Triangle, Fire Fly, Lil Wolf and etc. Besides, I develop some libs for my team use to develop easily such as Leaderboard for ios and android , lib support for online games and etc.
- Technology was used: C++ , cocos2dx,Netpeer, AppWarp,Parse framework,Easy NDK, objective C and android
- Using Software: Xcode, Android studio.

➢ Driver Project :

- Project DescriptionWrite drivers for smart projector (running android) and modify android kernel.
  This is project of Philip.
- Technology was used: **C language**
  Using Software :Eclipse in Linux.

➢ VIC0009 Project :

- Project Description
  Write an application for SL6087 and ADXL 345 accelerometer to read the

NMEA message which used for indicating location

This is project of Sierra Wireless

- Technology was used: **C language**

Using Software :Developer Studio 2.3.0

-1 year and 3 months: C/C++ developer of Saviwave (from 6/2012->9/2013).

- 1years : computer vision researcher at IES (from 10/2013->10/2014)

- 2 years and 5 months : IOS developer as a freelancer (from 10/2013-> Present)

- 1 year : IOS developer , game developer and reseacher of Boredninjas (from 1/2015 ->12/2015)

- 17 months : Machine learning at Okiela (from 3/2016 ->8/2017)