Curriculum Vitae

Contact information

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Objective

Seeking an opportunity to challenge in an international environment and intensively apply experiences that I gained from research projects inside and outside university life, on my fields of interests.

Technical Skills

Languages   : C++, C#, Objective C, JavaScript, **Java, Python**.

Platforms   : Windows, Ubuntu, MacOS, **Linux**.

Concepts   : Networking, Security, Mobile Application, **Distributed System**.

Databases   : **NoSQL** and relational databases

Other skills   : git, svn, unfuddle, pivotal tracker, bitbucket, github, XMPP server, Django framework, **Machine Learning, MapReduce, Data Analysis, optimizing my crawler and Google App Engine code.**

Education

RMIT International University Vietnam – from September 2009

Degree   : Bachelor of Information of Technology

Current GPA : 3.86/4

Ranking   : 9/100 (See attachment for ranking details)

Achievements and Awards

- ***Won the first prize*** at Mobile Dev Camp 2011(http://goo.gl/0tTDG), organized by many well-known companies such as Orange Telecom, TPL and Chili Reviews. The product, which is called MyCare, is about a location based service that will rely on server to distribute message across members. The project was **done within 24 hours** and **highly interested** by the judges.

- ***Won the second prize*** at RoboCode tournament 2011(http://goo.gl/1Eixm), which organized by RMITC. In this contest, I wrote code for a virtual robot named KFC to move, detect enemy, fire against enemy and hide by adding some artificial intelligence to it.

- Mentored other members in the team at Floating Cube Studio. Well-divided tasks and **well-designed application framework** resulted in increasing productivity and works done in-time within one month. CitiMobile has been commented by Citibank Singapore as "***ahead of any Citi Mobile app in the world***".

- Achieved highest distinction certificates at Coursera (www.coursera.org) and Udacity (www.udacity.com) in my interested subjects: Machine Learning, programming a robotic car, building a search engine.

EMPLOYMENT HISTORY

Full-time Software Architect at KnoowMe – from March 2012 until now

Product Name   : KnoowMe
Product website   : http://knoow.me/
Position   : Software architect
Description   : Analyze, design and implement server backend on App Engine, prototype client app on android for current ios version. Detail works included:

- Design interface for communication between server and client
- Implement authentication between server and client for both android and ios
- Design and implement instant messaging feature using Ejabberd on EC2
- Build and optimize Google App Engine server

Contract Developer at Floating Cube Studio - from August 2011 to September 2011

Project Name   : CitiMobile Singapore on Android.
Project Link   : https://market.android.com/details?id=com.citibank.mobile.sg
Company Website   : http://www.floatingcube.com/home
Position   : Core Developer.
Description   : Build an Android version of CitiMobile within one month

At Floating Cube Studio, I worked **as one among two core developers** to build the initial application framework. Works included:

- Suggesting design patterns to de-couple components.
- **Defining protocols** to exchange data between smartphone and their server
- **Utilizing framework features** that already have in Android such as AsyncTasks.
- Building **location based** features of the app, caching mechanism, and searching features.
- Besides main works on backend, also worked with user interface, and have very good knowledge about how components should be located to make user feel good.

Founder of ViAndroid.com – from September 2010 to current

Position   : Founder and Core Developer
Main Product   : AndroidPC
Mission   : Gather IT students for fast **approaching** new **technology** in the industry such as Android, Google App Engine, and Django Framework
My jobs including   :

- Mentored and motivated other members.
- Suggested project ideas and build prototypes.
- Build the core functions

Freelancer – from June 2011 to December 2011

Position   : Mobile Developer
Projects   : ILFT – I Love Free Thing
                  Pigeon – A social dialer to enhance system dialer.
My jobs   :

- Maintain the current code base
- Add more features including applying thread pools in downloading friends' images, working with Facebook API, Admob, and group-on API.

Open Source Community – from January 2011 until now

- Django-Nonrel as supporter (http://goo.gl/zzVN3)
- Google App Engine as an active reporter(http://goo.gl/wQmxW)
- IOS XMPPFramework library supporter (http://goo.gl/M87aN)

Student Staff Consultative Committees - from September 2009 until now

This is an RMIT organization established on the purpose creating the relationship between university and small number of representative students to improve IT course quality. I have joined the SSCC since the first semester at RMIT and my jobs are including:

- Talk to other IT students to hear their difficulties about their courses
- Present these issues at SSCC meetings
- Follow up the issues in next meetings to ensure they are getting better.

Small Projects

Besides projects I worked for companies and clients, here are some projects for non-profit organization or my pleasure projects.

YNhac.net

This is my current side project which contains all of my interests from topics machine learning, data processing and analysis. The project currently is in active stage and will be released on October. Data is collected based on my own python crawlers after many improvements for maximize bandwidth and speed.

Japan Donation

Non-profit for RMITC's event http://*japan*-donation.appspot.com

This is a project to collect money to help Japanese victims in earthquake 2011. This project applied Ajax and long-pooling (Channel API) for real time updating the amount of money.

CopyNDial

A Weekend Project

This app applied android system features to catch number user copied into memory to display a pop-up for further actions.

BarcampPhnomPenh

Open source demo project prepared for BarcampPhnomPenh to introduce Google App Engine and Android application. This contains all optimization using memcache inside ndb model.

PhoTabShare

A Weekend Project

This is an extension from MyCare to share links from one device to another devices immediately.

My Blog

A Weekend Project at http://cuongthai.com

Instead of using Wordpress, I preferred to build and run my blog on Google Cloud Infrastructure (Google App Engine), so that I can have more power to optimize, monitor and customize my blog.

Other Activities & Hobbies

Reading technical e-books on Kindle
Doing Yoga
Weekend Projects
Giving technical talks at IT events (Barcamp Saigon http://goo.gl/GPnhA http://goo.gl/gdL4Q ,
RMITC)

Language skills

Vietnamese   : Native, Fluent
English   : Proficiency
Japanese   : Beginner