

# Do-Thanh Sang (Martin)



M.Eng. Computer Science

HoChiMinh city, Vietnam [Click here to mail me!](#) [stl.sang.do](http://stl.sang.do)

My name is Sang, from HoChiMinh city, Vietnam. My highest qualification is Master of Engineering in Computer Science from Myongji University, South Korea.

I am carrying 10 years of experience in IT field. Since last 2 years I was in position as Technical Manager at ENGMA company. I was technical manager so don't be surprised when see many roles that I took part in.



## EDUCATION

M.Eng.  
2009 - 2011

Myongji University, South Korea

Image Processing Lab, Department of Electronic Engineering

I received full scholarship from my Professor and conducted several experiences about satellite images.

B.Eng.  
2002 - 2007

HCM University of Technology, Vietnam

Faculty of Computer Science and Engineering

02/2018 - Current  
HCM, Vietnam

### Full-time Freelancer

- I will consider to work at your office in case the location is not too far and YOU OFFER VERY ATTRACTIVE BENEFIT.
- I can do full stack web and mobile as well. I prefer remote international jobs, minimum 40 hours weekly.
- I am able to develop Android/iOS apps at the same time using React Native to reduce 50% of your cost and time
- I can install whole production server, publish apps from scratch. You just give me requirements, I do all things!
- I had done many remote part-time projects for Singapore / US / S.Korea clients, so I am very trustworthy
- I had done several projects:
  - ZELLAW: I made the crypto token and wallet preparing for ICO by Smart Contract in Solidity/Truffle
  - <https://wkacoin.com>: I deployed source code and relevant programs to AWS
  - EventPlant: an application written by React Native to scan QR code and retrieve data from server gateway

ENGMA Ltd.  
08/2015 - 01/2018  
HCM, Vietnam

### Technical Manager

- Leading projects from initial design through release
- Manage/train/interview members including developers & testers to accomplish projects
- Research cutting edge techniques for all projects & improve productivity of team
- Design UML, write technical documentations
- Deploy server systems in production environment
- Develop cloud services and mobile apps
- Our clients are mainly from Japan, Singapore
- Achievement: I built up development department from scratch up to 10 members, like a founder

NSOFT Ltd.  
02/2013 - 12/2014  
Seoul, S.Korea

### Project Leader

- Manage/train designers to accomplish tasks
- Develop Android application
- Develop EPUB web-based editor. People are able to make their own fixed-style layout e-books online

UZEN Ltd.  
07/2011 - 01/2013  
Seoul, S.Korea

### R&D Engineer

- Develop Android/iOS apps
- Utilize public API gateways: Facebook, Youtube, Flickr, Google Plus
- Develop front-end and back-end website

GAMELOFT Ltd.  
12/2007 - 06/2009  
HCM, Vietnam

### Mobile game developer

- Develop mobile games in touch screen phones

SANGTAO Ltd.  
03/2007 - 11/2007  
HCM, Vietnam

### Web developer

- Analyze and optimize database system
- Design detail algorithms for programmers
- Setup initial servers for web-based projects

## LATEST PROJECTS

| COMPANY       | PROJECT NAME             | PROJECT DESCRIPTION  | TIME              |
|---------------|--------------------------|--|-------------------|
| ENGMA Ltd.    | SNS                      | <ul style="list-style-type: none"> <li>SNS is a social network Android app, architecture is serverless</li> <li>Users can create unlimited groups and share posts/resources privately inside each group. Members can chat in real-time</li> </ul>  | 03/2017 - 01/2018 |
|               | SWP                      | <ul style="list-style-type: none"> <li>An Android app connects to Laser sensors to detect distance between user and static objects such as cars, house, ...</li> <li>Detect direction (to left/right) of user while moving</li> <li>App connects to any bluetooth devices including GPS, bi-directional sensors</li> </ul>   | 11/2016 - 02/2017 |
|               | AloDoctor                | <ul style="list-style-type: none"> <li>A mobile app (Android/iOS) provides a place to exchange questions and answers between users and reliable doctors without any fee</li> <li>Users upload their medical records through app to Cloud server permanently</li> <li>Users can make video call to any doctor at anytime, it is definitely free based on Peer-to-peer protocol</li> <li>Referral links are belows:</li> </ul> | 10/2015 - 10/2016 |
|               | CVL                      | <ul style="list-style-type: none"> <li>An Android app connects to bluetooth GPS devices then determines current position of user, indicates it in screen map</li> <li>There are some pre-made maps installed inside app, when user moves into that selected coordinates, app notifies it right away</li> </ul>   | 08/2015 - 10/2015 |
| NSOFT Ltd.    | Osobee                   | <ul style="list-style-type: none"> <li>Osobee.com is a complete system including primary SNS functions &amp; Editor that making e-book following EPUB-3® specification [IDBF]</li> <li>SNS is connected with Facebook/Twitter in order to spread out the content</li> <li>Project has Android and iOS apps</li> </ul>  | 02/2013 - 12/2014 |
| UZEN Ltd.     | Kpoptube                 | <ul style="list-style-type: none"> <li>An website collecting thousands of Kpop videos from Youtube, categorizes them into beautiful theme</li> <li>Each video belongs to each bands where user can follow. Basic SNS functions like comment, share, like, ... provided</li> <li>Project has Android and iOS apps</li> </ul>  | 07/2011 - 01/2013 |
| GAMELOFT Ltd. | Mobile games             | <br>Far Cry 2 <br>CSI: NewYork <br>Sudoku  | 12/2007 - 06/2009 |
| SANGTAO Ltd.  | POCKET MOBILE E-COMMERCE | <ul style="list-style-type: none"> <li>An e-commerce WAP-site for Docomo phones</li> <li>An online shopping system where user can find and buy Japan products</li> </ul>   | 03/2007 - 11/2007 |

**1) Centroid Neural Network with Simulated Annealing and Its Application to Color Image Segmentation** 

Nov. 2012

*Lecture Notes in Computer Science (LNCS), Volume 7665, pp 1-8*

Centroid Neural Network (CNN) with simulated annealing is proposed and applied to a color image segmentation problem in this paper. CNN is essentially an unsupervised competitive neural network scheme and is a crucial algorithm to diminish the empirical process of parameter adjustment required in many unsupervised competitive learning algorithms including Self-Organizing Map...

 Do-Thanh Sang, Dong-Min Woo, Dong-Chul Park**2) Color Image Segmentation Using Centroid Neural Network** 

Oct. 2012

*Lecture Notes in Computer Science (LNCS), Volume 7530, pp 588-595*

Color image segmentation has been attracting more and more attention, mainly because color images can provide more information than gray level images. Many methods have been proposed so far to deal with the problem. However, most methods require fine tuning of parameters, which can be attained after repetitive trial and error. This paper discusses unsupervised learning in terms of Centroid Neural Network (CNN)...

 Do-Thanh Sang, Dong-Min Woo, Dong-Chul Park**3) Financial Time Series Prediction in Cooperating with Event Knowledge : A Fuzzy Approach** 

Nov. 2010

*Lecture Notes in Computer Science (LNCS), Volume 6438, Springer-Verlag Berlin, pp 406-417*

A number of researchers have used historical numeric time series data to forecast financial markets, i.e. stock prices, and they achieved some results with reasonable accuracies. However, there are various non-numerical factors that influence prices such as company's performance, government involvement, trends of the market, changes in economic activity and so forth. We attempt to take such factors into account to our recent study....

 Do-Thanh Sang, Dong-Min Woo, Dong-Chul Park**4) Standard Additive Model in Data Mining** 

Oct. 2010

*International Conference on Cyber-enabled Distributed Computing and Knowledge Discovery (CyberC)*

The habitual purpose of data mining is prediction, one of the most direct real-world applications. There are many technologies available to data mining in literature and they achieved some results with reasonable accuracies. This paper designs and implements an advanced model based on fuzzy inference system, namely Standard Additive Model (SAM) for forecasting the output of any record given the input variables only from the database, the age of abalone in particular...

 Do-Thanh Sang, Dong-Min Woo, Dong-Chul Park**5) Intensifying the Performance of Nonlinearity Approximation by an Optimal Fuzzy System** 

Apr. 2010

*International Conference on Information Science and Applications (ICISA)*

A technique to optimize the Standard Additive Model (SAM) fuzzy system for nonlinear system approximation is presented. First, fuzzy rules are initialized more much than usual by employing Centroid Neural Network (CNN) and then the genetic algorithm-based optimization process used to exclude unnecessary and redundant rules; thereafter, the fuzzy rule parameters are tuned by the gradient descent method incorporated with momentum technique...

 Do-Thanh Sang, Ho-Hai Nguyen, Dong-Min Woo, Seung-Soo Han, Dong-Chul Park**6) Standard Additive Fuzzy System for Stock Price Forecasting** 

Mar. 2010

*Lecture Notes in Computer Science (LNCS), Volume 5991, pp 279-288*

Stock price forecasting has attracted tremendous attention of researchers over the past several decades. Many techniques thus have been proposed so far to deal with the problem. This paper presents an application of a computational intelligence technique - a fuzzy inference system, namely Standard Additive Model (SAM), for predicting stock price time series data. The modelling and learning power of the SAM have been benefited to build the model ...

 Do-Thanh Sang, Thi Thanh Nguyen, Dong-Min Woo, Dong-Chul Park**3D Line Extraction Using Digital Elevation Map**

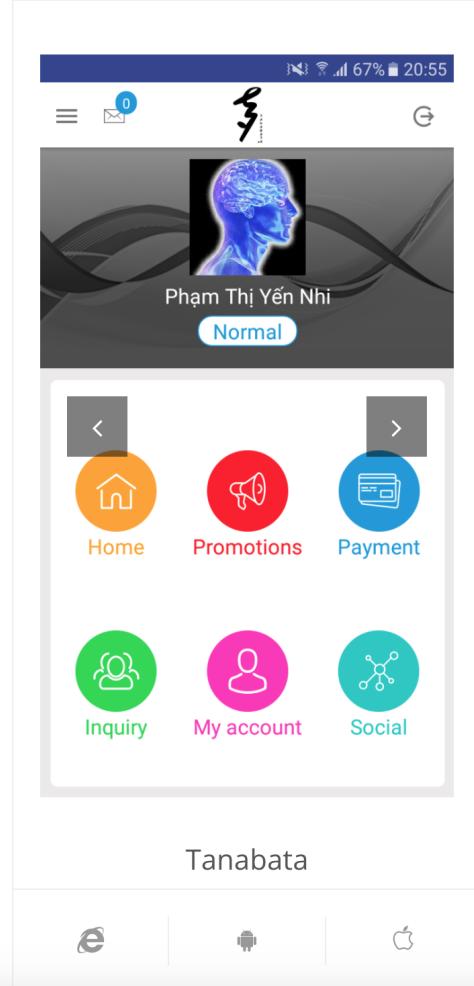
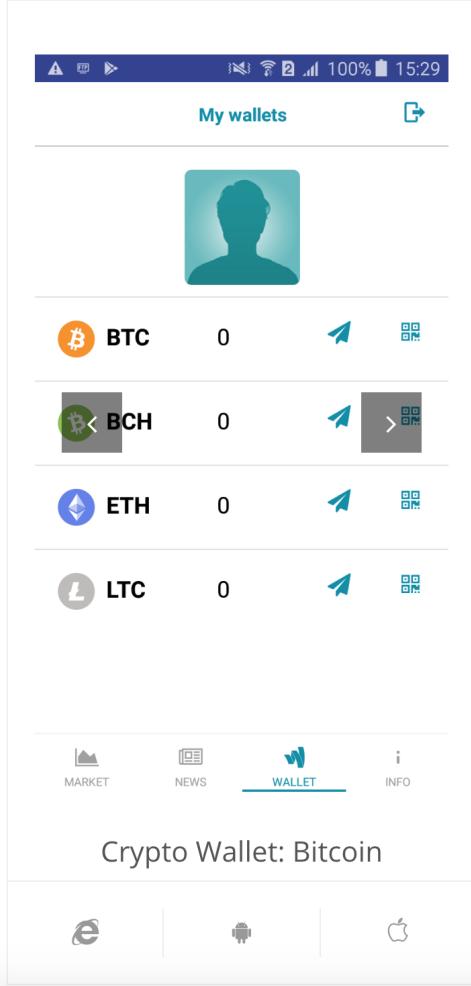
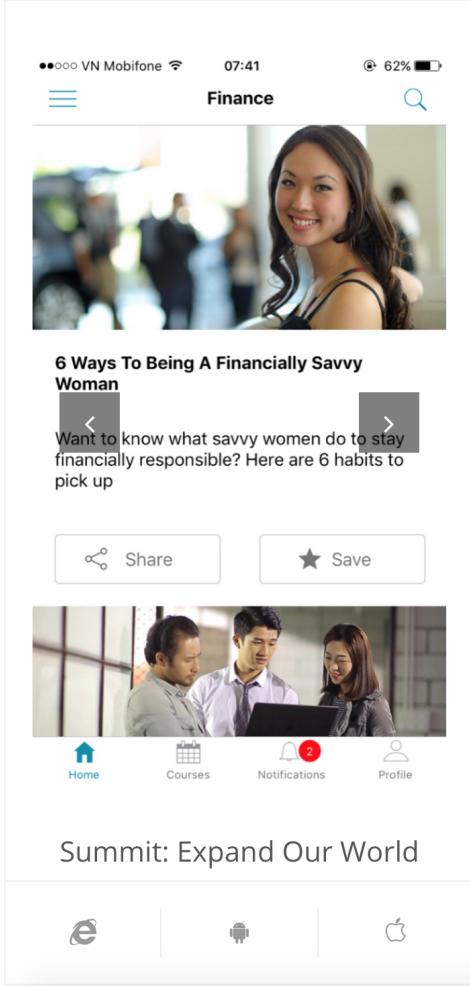
May. 2011

*Master Thesis*

The task of extracting and discovering the geometric feature such as points, lines, corners and curves plays an important role in object recognition, 3D modeling, robot mapping and navigation. In this paper, we present an alternative 3D line extraction method by using Digital Elevation Map (DEM) in cooperated with self-consistency principal. DEM is first revised by self-consistency process which only remains good elevation data...

 Do-Thanh Sang, Dong-Min Woo

## APPS MADE BY MYSELF



05/2018  
Founder

<http://boardblockchain.com> ⓘ

Collection of latest breaking news about blockchain activities, cryptocurrency tech over the world

03/2018  
Founder

<http://gamereviewnews.com> ⓘ

Collection of latest news about all kinds of PC games, Xbox, etc.

## 💡 KNOW-HOW

Agile / JIRA

Socket IO

AWS / Google Cloud

PMP

Google Drive/Firebase/Firestore API

Online Payment Gateway

UML / Astah

Turn server, video call P2P

CentOS / Linux

MongoDB / GraphQL

## 👍 FAVORITE SITES

Youtube

Pinterest

Etsy

Slideshare

Facebook

Medium

Quora

Tumblr

Wikipedia

Stack Overflow

## STRNGTH

Single man is an island amid ocean. Nowadays, a person requires a group of people with whom to succeed. With the rapid developing speed of science and technology, learning new things quickly is most important. I am a quick learner who enjoys acquiring new knowledge and a good team player who shares knowledge and ideas with colleagues.

Last but not least, I prefer working smarter than harder. Adaptability to new working and living environment quickly.

## WEAKNESS

I am Google-dependent person. I am able to program in many languages but I don't keep in mind all functions. I usually find uncommon functions over Internet. It slows down my work; however, it makes me adapt various kinds of project as well as acquire novel techniques.

No person has all the requisite skills for the new job. I am not an exception. There are many things to learn to fit new position, but I am eager to do that without the hesitation.

## ⊕ MY GOALS

2021

CEO / PMP

I am going to establish my own IT company or be a significant co-founder in certain project

2019

Senior Blockchain Developer

I am researching to do exciting things involving blockchain technique

2018

Project Leader

Finally I got much experience to manage projects & team members

## 😊 PERSONALITY

RESPONSIBILITY

MULTICULTURAL SENSITIVITY

SELF MOTIVATED

TIME MANAGEMENT

TEAMWORK

PROBLEM SOLVING

SELF EDUCATED