



# Trịnh Văn Tài

Data Mining Engineer

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## OBJECTIVE

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Take advantages of bigdata and machine learning skill to become a professional engineer

## EDUCATION

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Oct 2014 - May 2019

**Ha noi University of Science and Technology**

Major: Information Technology

CPA: 3.1/4

## WORK EXPERIENCE

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Sep 2015 - Dec 2015

**Build the chat application**

Tools used: My SQL, Eclipse

Language used: Java, MySQL

The application provides an easy-to-use interface that includes the following features:

- Show friends list
- Find other user's accounts
- Notify user when new messages arrived
- Group chat function

Jan 2016 - May 2016

**Build the restaurant management application**

Tools used: My SQL, Eclipse

Language used: Java, MySQL

The application provides an easy-to-use interface that includes the following features:

- Server program will manage the connection of clients account
- For a client account, the user can:
  - + Add new information about a restaurant
  - + Share information with other people
  - + Chat with other people
- Server can notify new messages, informations shared by other users, new comments to client accounts

Sep 2016 - Dec 2016

**Build the library management application**

Tools used: My SQL, Eclipse

Language used: Java, MySQL

The application provides an easy-to-use interface that includes the following features:

- Add, edit, delete books
- Add, edit, delete reader
- Add, edit, delete vouchers
- Statistical function

-Announce the list of readers expired in the day, the reader list is overdue  
-Print form

Sep 2016 - Dec 2016

### **Build student management program**

Tools used: My SQL, Eclipse

Language used: Java, MySQL

The application provides an easy-to-use interface that includes the following features:

- Search, add, edit, delete objects such as students, classes, class managers, subjects, study results, course results
- Statistical function
- Automatically update student's CPA scores at the end of the semester
- Print form

Sep 2016 - Dec 2016

### **Build Unblock Me game**

Tools used: Eclipse

Language used: Java

Algorithm to use: BDF, DFS, A \*

The application provides an easy-to-use interface that includes the following features:

- The program consists many horizontal or vertical yellow blocks and a horizontal red block
- The goal is to unblock the red block out of the board by sliding the other blocks out of the way, unblock it with the minimal moves
- The program uses graph algorithms such as BFS, DFS and A \*, so that the machine can automatically play

Sep 2016 - Dec 2016

### **Develop some graph algorithms that use parallel programming techniques**

Tools used: Ubuntu CodeBlocks

Language used: C

The program uses MPI and the techniques of parallel programming to perform some algorithms on graphs running in parallel on two connected computers

Sep 2016 - Dec 2016

### **Spam mail filtering**

Tools used: Visual Code

Language used: Python

Algorithm to use: Support Vector Machine

With a learned model and tested on the test set, give class labels (spam or non-spam) corresponding to each email example, compare the results obtained with the results of the initial classification, evaluate the reliability of the system.

## **ACTIVITIES**

Jan 2015 - Now

### **Tutor**

Math

One of the experiences I get was the ability to express and communicate to others.

Mar 2015 - May 2016

### **English club**

Member

Joining the club helps me to be more confident in English communication, increasing the ability to reflect in communication.

Mar 2015 - May 2016

**Book club**  
Member  
I was listened and shared with other members about life and learning skill very helpful

CERTIFICATIONS

2014  
TOEIC Certificate with score 725 issued by Ha noi University of Science and Technology

SKILLS

Programming	Java,C,MySQL,Python,Mechine Learning Algorithms				
Foreign language	Language	Listening	Speaking	Reading	Writing
	English	Medium	Medium	Pretty good	Medium
	French	Medium	Medium	Pretty good	Pretty good

INTERESTS

Sports: Badminton, Volleyball, ...  
Read books, listen to music in free time  
Debating with friends.