



## WORK EXPERIENCE

### VCCORP CORPORATION

NOV 2016 - NOW

Admicro department, Bigdata team

Work in VCCorp, Admicro department, Bigdata team.

Contribute to Web Analytics project

Key member in Video Analytics project

Working on platforms:

+ Bigdata: hdfs, spark

+ Database: apache hbase/phoenix, mysql, ...

+ MemStorage: aerospike, redis

+ Search Engine: elasticsearch

+ Framework: Spring

Languages: java, scala

Environment: Linux

### HUMAX VN R&D CENTER

MAR 2016 - OCT 2016

CDI Platform

Work in HUMAX VN R&D Center, Platform team.

Take part in training course about C Programming, Set-top Box, Operating System, Linux

Device Driver

### RESEARCH ASSISTANT

FEB 2015 - AUG 2016

IC Design LAB

Key member of IC design laboratory, School of Electronics and Telecommunications, Hanoi

University of Science and Technology, Viet Nam.

### COURSE

APR 2015 - JUN 2015

Hardware Design

Has completed the course "Hardware Design" (Attached picture)

### PROJECTS

#### 02/2018-now: Video Analytics - Quality of System

##### Backend Developer

- Description:

+ Measuring quality of experience (QoE/QoS) data. Quality parameters include: Average bitrate, time to start, dropped frames, errors, rebuffering.

+ The goal of project is improving quality of system and bring the best experience to client

- Programming Languages: Java/Scala

- Tools: IntelliJ

- Platform, server and database, technologies: Hadoop, Spark, Hbase/Phoenix, Jetty Embedded, Mysql

#### 10/2017-02/2018: Video Analytics - Advertisement

##### Backend Developer

- Description:

+ Evaluating the effects of advertisement on video system. Ad metrics include: ad start, ad complete, ad time spent, fill rate

+ The goal of project is making ad system more productive

- Programming Languages: Java/Scala


- Tools: IntelliJ

- Platform, server and database, technologies: Hadoop, Spark, Hbase/Phoenix, Jetty Embedded, Mysql

#### 05/2017-10/2017: Video Analytics - Content of Videos



## HOANG ANH PHUONG

 28/08/1993

 Male

 \*\*\*\*\*

 \*\*\*\*\*

 Lang Ha, Ha Noi

## OBJECTIVE

I am coming up with a career to become an expert in back-end services field. I will continually sharpen my analytical skills, reinforce my knowledge and stay on top of technologies. My desire is producing applications that have the good reputation.

## SKILLS

Communication

Presentation

Individual working

Team-work

## INTERESTS

- Music
- Football
- Programing

## Backend Developer

- Description:

+ Measuring traffic on video system, video content data. Video metrics are: video initiates, content starts, content complete, content time spent, average time audience, ...

+ The goal of project is supporting video content producer evaluate their products

- Programming Languages: Java/Scala

- Tools: IntelliJ

- Platform, server and database, technologies: Hadoop, Spark, Hbase/Phoenix, Jetty Embedded, Mysql

### 11/2016-04/2017: User Flow in Web Analytics Project

- Description:

+ Analyze behavior of users while a session on a website. That includes all steps of users from they start on site to when they out.

- Programming Languages: Java/Scala

- Tools: IntelliJ

- Platform, server and database, technologies: Hadoop, Spark, Hbase/Phoenix, Jetty Embedded, Mysql

### 09-12/2015: HEVC Integer Motion Estimation design & implementation

Course project for Embedded System Design. A hardware design and implementation of HEVC Inter Motion Estimation, aim to reduce hardware.

### 07-09/2015: High speed Carry-lookahead Adder SAD Architecture with Rotate-Wide-Diamond Algorithm for HEVC

International paper (accepted in the 4th IIAE International Conference on Industrial Application Engineering 2016 (ICIAE2016)). A novel SAD (Sum of Absolute Difference) architecture, aim to improve processing speed. (Invitation\_Letter.pdf attached file)



## EDUCATION

### HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

AUG 2011 - JUN 2016

Talented Engineer Program

Major: Electronics and Telecommunications

**Cumulative GPA(after 5/5 years): 3.44/4.0 (via 128 credits)**

### NGUYEN HUE HIGH SCHOOL FOR GIFTED STUDENTS

AUG 2008 - JUN 2011

Specialized Mathematics Class



## SKILLS

### SOFTWARE PROGRAMMING LANGUAGES

+ Java: 8/10

+ Scala: 8/10

+ C/C++ : 6/10

+ XML, Json: 6/10

### HARDWARE PROGRAMMING LANGUAGE

Verilog, System Verilog: Good

### BIGDATA TECHNOLOGIES

Apache Kafka: 7/10

Hadoop: 8/10

Apache Spark: 8/10

## DATABASES

Mysql: 8/10

NoSql: hbase: 8/10

Search Engines: Elastic search: 7/10

Memory Database: Redis, Aerospike: 7/10

## ENVIRONMENT & TOOLS

Environment: Linux, Window

Tools: Eclipse, Visual Studio, IntelliJ

Version Control: Git, Svn

## LANGUAGE ABILITY

English: 655/990 TOEIC in Nov. 2015

## OTHER SKILLS

Office skills(Word, Excel, Power point): Good

Object-oriented design with UML: Good

Circuit design using Orcad, Altium: Good



## AWARDS

**International paper (accepted in the 4th IIAE International Conference on Industrial Application Engineering 2016 (ICIAE2016))**

**2016**

<http://ieeexplore.ieee.org/abstract/document/7562635/?section=abstract>

**The first prize in the contest "Student research sciences" in Hust**

**2016**

**The third prize in the mathematical contest of Hanoi**

**2009**



## REFERENCES

**Nguyen Khac Tu**

Bigdata team leader

Admicro, VCCorp

**PhD. Nguyen Vu Thang**

School of Electronics and

Telecommunications

Hanoi University of Science and Technology,

Viet Nam