

Ethan Hao

Master student of Depaul university

whao@cdm.depaul.edu

Summary

- # More than 12 years solid experience on software development full lifecycle.
 - # Strong passion in new technologies and large scale and high performance distributed system.
 - # Good at Socket developer on Linux.
 - # Good at Futures Trading system and Lottery Trading System.
 - # Good at Redis,RabbitMq,Zookeeper,etc.
 - # Expert at Windows Driver,Service,MFC,GDI+,DirectShow,D2D,COM,SOCKET.
 - # Familiar with Oracle OCCI, PL/SQL.
 - # Familiar with common encryption algorithm(MD5,Blowfish,3DES,RSA).
 - # Familiar with UML,CMM,ISO9000.
 - # In-depth understanding of data structures and algorithms.
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Experience

Senior Developer (Part Time) at DePaul University

July 2015 - Present (1 year 6 months)

1. In charge of the new version of Video and Audio Recording process.
2. In charge of the new version of classroom monitor platform.
3. Finish all the courses of master in software engineering.

Software Architect at China Sport Lottery Technology Group

April 2014 - July 2015 (1 year 4 months)

1. Develop the lottery trading system based on Linux. Review all codes and optimize some codes.
2. Improve the architecture of this system. For example using some NoSQL database like Redis to improve the velocity of this system, and Zookeeper to simplify the management of this whole large system.

Senior Software Developer at Shanghai CIFCO Futures Co. Ltd

November 2012 - April 2014 (1 year 6 months)

1. Lead a team to develop the Futures Trading system for Enterprises. I am in charge of the architect and the development of core components.
2. Lead a team to develop the Risk Management of Futures Trading for Enterprises. This system can monitor all the risk of Futures Trading system for Enterprises.

Senior Software Developer at Ensurebit

August 2005 - August 2012 (7 years 1 month)

I am a co-funder of this company. As a core software developer , we help Lenove develop software and make the Lenove Product more friendly and cutting-edge. Meanwhile we also innovate a security software named Powershadow(<http://www.powershadow.com>).

Most important lenovo products are listed below.

Lenovo VeriFace1.0 - 4.0 you can get the details from <https://en.wikipedia.org/wiki/VeriFace>

Lenovo Easycapture 1.0 - 4.0

Lenovo Idealife3.0

Chinese Pinyin Touch Input on Andriod

Software Developer at Lenovo

August 2003 - August 2005 (2 years 1 month)

As a junior software developer, I help my team to build Lenovo Application installed in Lenovo PC/ Notebook.

Main product include:

Lenovo Smart Driver Installation

Lenovo IKEY Security System

Skills & Expertise

Distributed Systems

Windows applications or drivers

C/C++

Lottery Trading System

Futures Trading System

Futures Trading Application

Socket Programming

C#

Futures Trading Bussiness

Lottery Trading Bussiness

Video and Audio Programming

Redis

RabbitMQ

Zookeeper

JavaScript

Internet Protocol Suite (TCP/IP)

PL/SQL

DirectShow

D2D

Windows Media Framework

C++

Education

DePaul University

Master's Degree, Computer Software Engineering, 2015 - 2017

Grade: 4.0

Activities and Societies: As a student employee. In charge of the development of new version of Video&Audio Recording and Monitoring System.

Northwestern Polytechnic University (CN)

Bachelor's Degree, Software Engineering, 1999 - 2003

Languages

English

(Elementary proficiency)

Chinese

(Native or bilingual proficiency)

Courses

Master's Degree, Computer Software Engineering

DePaul University

AGILE SOFTWARE DEVELOPMENT

SOFTWARE ARCHITECTURE I

OBJ-ORIENTED SOFTWARE DEV

SOFTWARE ENGINEERING STUDIO II

DISTRIBUTED SYSTEMS I

SOFTWARE ENGINEERING STUDIO

OBJECT ORIENTED MODELING

MANAGING GLOBALLY DISTRIBUTED SD

DATABASE PROGRAMMING

Projects

Course Online Recording And Monitoring Component

June 2015 to Present

Members: Ethan Hao

1, Working on the new version of the Video&Audio recording, Using DirectShow and Windows Media Foundation to recording the Mp4 multimedia file and streaming the Asf multimedia content .

2, Using Window Form and DirectShow to open the remote multimedia stream to monitor the classroom.

Next Generation Lottery Trading System

April 2014 to Present

Members: Ethan Hao

This is a large distributed system , the core components are based on Linux. This system can deal with all the existing and upcoming lottery games. and it support more than one million of classic clients and internet clients as well.

Futures Trading System for Enterprises

November 2012 to Present

Members:Ethan Hao

1, Through this system a financial company can let all the trader share one Exchange account and money. It has a settlement subsystem can settle every day.

Futures Risk Control System for enterprises

January 2013 to Present

Members:Ethan Hao

Through this Risk Control System we can monitor all orders, positions and profit,etc. It should be deployed with the Futures Trading System for Enterprises.

Mobile Magazine Editor

March 2012 to Present

Members:Ethan Hao

This editor is similar to the Mac IBooks Author! it is able to edit out the gorgeous interface and compatible HTML5 standard electronic magazine!

Chinese Pinyin Touch Input For Andriod

March 2011 to Present

Members:Ethan Hao

This input method is an innovative Chinese input method for touch screen, When user press an key it will show a extent and association UI to analyze the gesture of users.

Lenovo Idealife 3.0

July 2011 to Present

Members:Ethan Hao

Using D2D technology to construct GUI system, using good object-oriented architecture that supports Widget plug-in development.

Lenovo VeriFace

August 2005 to May 2012

Members:Ethan Hao

VeriFace is a face-recognition software package that is a registered trademark of Lenovo and was the first Face Verification Technology on public computer.

PowerShadow

June 2005 to June 2012

Members:Ethan Hao

PowerShadow is more than instant restoration software. It is a revolutionary preventive approach to computer integrity protection. You can use PowerShadow to virtualize your whole hard drive or C drive only into a disposable session.

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[Contact Ethan on LinkedIn](#)