# TIANYANG (TERRY) CHE

938 110th AVE NE      www.linkedin.com/in/tianyangche      (312) 459-2365
Bellevue, WA 98004      tianyangche@gmail.com

## SKILLS

- **Language:**      **Java**(4 years), **C/C++**(3 years), Python, Ruby, Shell Script, JavaScript, HTML
- **Database:**      Oracle SQL, DynamoDB, MySQL
- **Platform & IDE:**      **Linux**, Mac, IntelliJ, Eclipse
- **Other:**      **Android**, Spring, Hibernate, Git, Vim

## EDUCATION

**Illinois Institute of Technology, Chicago, IL**      GPA:3.9/4.0      August 2012 - May 2014
*M.S. in Computer Science*
*Major Courses:* Algorithm Design and Implementation, Data Mining, Parallel and Distributed Computing
**Jilin University, Changchun, Jilin, China**      GPA:3.2/4.0      September 2008 - June 2012
*B.S. in Computer Science and Technology*

## WORKING EXPERIENCE

*Software Development Engineer*      Amazon Corporate LLC      March 2015 - Current
- Worked as a Software Development Engineer in Amazon Payments Platform Team, which served millions of customers and collaborated with hundreds of partners worldwide.
- Contributed to the launch of Amazon Full Online Retail in Mexico and Brazil, mainly worked on payment side.
- Helped business intelligence team get huge amount of data accurately and parallel departments unblock their issues.
- In charge of ensuring team's multiple services' health during Black Friday and Cyber Monday, the peak time of the year.
- Keeping improving internal backend and frontend services incrementally.

*Software Engineer*      Agora Lab, Inc.      July 2014 – March 2015
- Created "ClanVoice" Android app to provide users high-quality, low-lag choice for group meeting and chat.
- Led a team of 4 developing IOS and Windows similar applications to support cross-platform group chat.

*Software Engineer, Intern*      Edge Financial Technologies      February 2014 - June 2014
- Developed an algorithmic trading system which enables clients to trade with China Financial Futures Exchange automatically with 20% annual expected yield. It is written in Java and has about 5000 SLOC.
- Served as the company's database administrator to maintain MySQL database on Linux Server, including automatically creating necessary tables every day, backing up the whole database every month and installing relevant application tools. Developed a script to complete 80 percent of the operations on database.
- Tested software products developed by colleagues in the firm against requirements specifications and deployed them on various platforms (Windows and Linux).

## PROJECT EXPERIENCE

*BTC & LTC Algorithmic Trading Software*      July 2014 - August 2014
- Designed a web application using Java to display dynamic information, including candle stick chart with K-lines grouped in different period, most recent trade and depth data, user account details, processed and pending trade list.
- Created MySQL table schema and wrote dedicated Java applications to fetch historical trading data of bitcoin and litecoin from two popular Chinese online trading platform (Okcoin and BTCChina). The database contains 40M records in total and generate 200K records per day.
- Automated trading procedure by adopting two algorithms (SMA and WMA). Users can be expected to make money when using 5-MAVG and 15-MAVG.

*P2P File Sharing System*      August 2013 - November 2013
- Designed two kinds of P2P file sharing systems: napster-style (with a central indexing server) and gnutella network (without a central indexing server). Techniques: Java (JDK 1.7.1_55), VFS2, Gson, Multi-Thread Programming.
- Implemented two file consistency mechanisms: push and pull. One machine can automatically update its local copies when their original files have new version.
- Proved that our application can support 1000 instances working correctly across 10 computers (100 instances per node).

## AWARDS

- Academic Excellent for Graduate Design in College of Computer Science and Technology      2012
- Excellent Student Cadre of College of Computer Science and Technology      *Jilin University*      2009,2010
- 3rd Scholarship College of Computer Science and Technology      *Jilin University*      2009,2010,2011