

XueYuan Road 37#,
HaiDian District, Beijing, 100191
P.R.CHINA

MENGAN TIAN

+86 18813147502
tianmn2109ccst@gmail.com

EMPLOYMENT

Software Engineer, Intern **Microsoft ARD** **July. 14th, 2015 – Sep. 12th, 2015**
Office Division

- Develop a tool to track the process of projects, such as which feature in which ring(new, approved, dogfood, production, exit review, done), the process in each ring, which feature will come or go out in current week or month, and some other features, the results are showing in dashboard. (c#, javascript)
- Find characteristics of users' commit codes by analyzing source depot logs. I participate the design of the project and is mainly responsible for the front-end display. (Intern project, c#, javascript)

Software Engineer, Intern **Intel (China)** **Oct. 20th, 2014 – Jan. 20th, 2015**
Open Technology Center Division

- Implement a system to collect computer's information (such as memory, location, mac address, owner, etc.) automatically. (Python-Django)
- Fix bugs and implement some features (such as getting users' codes in the latest branch, etc.) in the project called buildhub which is a continuous integration system that can manage and run user's codes. (Python)

EDUCATION

M.S.E in Computer Architecture Beihang University, China Sep.2013 – Mar. 2016
B.S.E in Computer Science and Technology Jilin University, China Sep. 2009 – July. 2013
Coursework: Computer Architecture, Algorithms, Data structure, Operating system, Databases, etc.

SOURCE CODE READING

- **LWIP** (Light Weight IP), reading parts of memory management, packet management, net interface management, ARP, IP and UDP.
- **SGI STL**, reading parts of memory allocation, iterator, container, adapter, function object and algorithm.

Projects

- **Smart transducer network** (2015). A distributed bus architecture and real-time system based on power line carrier communication technology and IEEE 1451.3 protocol to solve shortcomings (such as circuit complexity, inconvenient to deploy, etc.) in traditional airborne testing system. It involves respects of transplantation and modification of lwip protocol stack, implementation of TEDS in IEEE 1451.3, clock synchronization in distributed nodes, algorithm to solve transmission scheduling problem, automatic deployment, and IDE. (C, QT)
- **SNL compiler** (2013). Implement lexical analysis, syntax analysis and semantic analysis. (C)
- **Sqlite management software** (2014). Develop a visualization management software of sqlite3 for a mechanical and electrical management system. (QT)
- **Games.(2011)** Implement some simple games such as Minesweeping, Tetris, Puzzles, typing, etc. (MFC)

ADDITIONAL EXPERIENCE AND AWARDS

- First-class scholarship, second-class scholarship, outstanding student of school, Jilin University 2010-2012.
- Outstanding graduation thesis of Jilin University, 2013.

Languages and Technologies

- Familiar with C/C++, used shell, python, java.
- Familiar with data structure and algorithm.
- Pass College English Test-6 in China.