

# HONGKUN LENG

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## EDUCATION

### Huazhong University of Science and Technology

Sep 2011

B.E. in Electronic & Information Engineering

Data Structure, Advanced Programming Language(C++), Operation System, Computer Network & Applications

Principles of Microcomputer, Principles and Design of Embedded, Database System, Embedded Linux Software Design

GPA: 3.4/4.0 TOEFL: 111(R 28, L 29, S 26, W 28) GRE 327(V 157, Q 170)

## EXPERIENCE

### Nightingale, Inc (Co-founder & Tech Lead)

October 2014 - July 2015

- Developed Android based articles recommendation app with **collaborative filtering recommendation algorithm**, articles were fetched through **parallel Python web crawler** and stored in **Mongo DB**
- Obtained 1 million RMB seed-stage venture capital

### Services Computing Technology and System Lab (Co-Author)

September 2014 - July 2015

- Designed system model, Lyapunov optimization framework, and assisted in writing paper "eTrain: Making Wasted Energy Useful by Utilizing Heartbeats for Mobile Data Transmissions" **IEEE ICDCS 2015**
- Implemented transmission management system on Android platform with Xposed framework and **Java Reflection API**, developed data collecting system, emulation and evaluation applications with **Java** and online recording system with **Python Django framework**

### Wandoujia(SnapPea), Inc (Intern & Major Developer)

July 2014 - October 2014

- Developed features including music control, "App Rhythm", wallpaper setting, for SnapLock, an Android based lock screen application, used by over 2 million users, utilized **Music Controller component**, **Java Reflection API**, implemented **Quadratic Bezier curves** on Android platform

### WeClient Team (Developer)

August 2014 - Present

- Developed management app for Wechat official account owners, implemented all management operations through simulating HTTP requests and parsing **DOM structure of Html**, the app was used by **over 50 thousands users** and got **150 stars on Github**

### Real-time video chat and IOT control application (Developer)

September 2013

- Developed real-time chat application using **streaming media** and **TCP Socket**
- Utilized **Bluetooth 4.0** and **Arduino** to connect and control hardware at the same time

### Unique Studio of Qiming College (Team Leader & Developer)

September 2013 - July 2014

- Led a team of 15 developers to develop applications and games on Android platform
- Led several inside team software projects, held regular developing and sharing workshops, meetups

## TECHNICAL STRENGTHS

### Computer Languages

Java, C++, Javascript, Python, Html

### Platform & Tools

Android, Nodewebkit, Git, Vim, Linux, Eclipse, Photoshop, Sketch, Raspberry PI  
Arduinio, Openwrt

### Databases

MySQL, Mongo DB

## HONOR & AWARDS

Outstanding Graduates

May 2015

Second prize, UT-Starcom Programming Competition

December 2013

First prize, Sohu Cloud Engine Hackathon

September 2013

Second prize, Baidu Open Cloud Hackathon

July 2013

First prize, College Mobile Application Developing Competition

October 2012