HONGKUN LENG

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http://suanmiao.me ⋄ http://github.com/suanmiao

EDUCATION

Huazhong University of Science and Technology   *Sep 2011 - Jun 2015*
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 (6/28) TOEFL: 111(R 28, L 29, S 26, W 28) GRE 327(V 157, Q 170)

PROFESSIONAL EXPERIENCE

Nightingale, Inc (Co-founder & Full-stack Developer)   Oct 2014 - Present
· Developed **distributed parallel Python web crawlers** to fetch articles and stored them into MongoDB, implemented **collaborative filtering recommendation algorithm** to screen useful data
· Developed Android based articles recommendation app with **over 11,000 lines code**
· Obtained 1 million RMB seed-stage venture capital

WeClient Team(http://pi.vu/6xyc) (Team Lead & Mobile Software Engineer)   Aug 2014 - Present
· Developed web based WeChat official account management features on mobile through simulating HTTP requests and parsing DOM structure of HTML, gained **over 53,000 users** and **130 stars on Github**

Wandoujia(SnapPea), Inc (Engineering Intern)   Jul 2014 - Oct 2014
· Developed major features for SnapLock, utilizing JNI(Java Native Interface), Java Reflection API, over 2 million users
· Rewrote Groovy building scripts and reorganized project structure to increase building speed by 110%

Video-Chat and IoT(Internet of Things) application(http://pi.vu/6xyC) (Full-stack Developer)   Sep 2013
· Developed real-time video-chat application using **Node.js and TCP Socket**. Utilized Bluetooth 4.0 and Arduino to connect and control smartphones with toys

"Hero Tower" Tower Defense Game(http://pi.vu/6xdL) (Mobile Software Engineer)   Jul 2012 - Oct 2012
· Developed Android based **game engine, over 10000 lines code**, containing drawing, events and resource management system, collision detection system. Implemented **Least Recently Used and Depth First Search algorithms**

RESEARCH EXPERIENCE

Services Computing Technology and System Lab (Co-Author)   Sep 2014 - Oct 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**. Presenter at the conference
· Developed system implementation, data collecting system, evaluation applications with over 20,000 lines code

Intelligent IT Network Application and Database Research Lab (Research Assistant) Mar 2012 - Oct 2012
· Assisted in developing database for university research management platform utilizing Java and MySQL
· Developed front end webpage with HTML and Javascript to test database performance and display search results

TECHNICAL SKILLS

Computer Languages	Java, C++, Javascript, Python, HTML
Platform & Tools	Android, Node.js, MySQL, Mongo DB, Git, Vim, Linux, Eclipse, Raspberry Pi

HONORS & AWARDS

Outstanding Graduates	*May 2015*
First prize, Texas Instruments Electronic Design Contest(TI Cup), HUST division	*Jul 2014*
Second prize, UT-Starcom Programming Competition	*Dec 2013*
First prize, Sohu Cloud Engine Competition (1 out of 126 teams)	*Sep 2013*
Second prize, Baidu Open Cloud Competition (3 out of 140 teams)	*Jul 2013*
First prize, College Mobile Application Developing Competition	*Oct 2012*