Long Zhao

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Education

2010 – 2013 **Beihang University**, *Master*, *C*omputer Science, *G*PA: 3.4.
Major: Mathematical Statistics, Mathematical Logic, Pattern Recognition, Uncertainty AI.

2006 – 2010 **Beihang University**, *Bachelor*, *C*omputer Science, *G*PA: 3.6.
Major: Discrete Mathematics, Algorithm, Operating System, Compilers Principles, Networks.

Employment

2013 – 2014 **IBM**, *CSTL Web Integration Team*.

WebAdmin, a web based configuration and management software on system i for application servers.
- Implemented the new features for supporting Apache server upgrading from 2.2 to 2.4.
- Designed a template engine as a supplement for the original view layer; avoided some of the repetitive work.
- Refactored part of the legacy code according to Code Complete; reduced 20% of the code.
- Collaborated with colleagues to solve CPS from our clients.

CodeSync, an automatic code submission tool for CMVC.
- Analyzed all the files in directory metadata to detect the stauts of each monitored code file.
- Implemented a user interface by using a pure JavaScript framework Node-Webkit.
- Shared this tool to group members; saved nearly half of their time on code submission.

Internship

2012 – 2012 **Morgan Stanley**, *Financial Derivatives Team*.

TradingMonitor, a monitoring system for the financial derivatives trading system.
- Created a syntactic analyzer to analyze system running log; be used to detect the system status.
- Designed a minimal database; supported select, insert operation and file split.
- Visualized the monitor data by using Graphiti, which was real-time and could be visited through web.
- Practiced scrum with team members on this project.
- Learned how to make amazing coffee.

2011 – 2011 **Innovation Works**, *Feibo Team*.

Feibo, yet another WeChat.
- Implemented part of the service API; released as a series of RESTful services by using Flask.
- Designed friends recommendation module based on node similarities.

Projects

2014 – 2015 **SitFish**, *http://www.sitfish.com*.
A site to connect lovers with music. Even they are at different places, they could still listen to the same music at the same time. If your lover switched the song, your player will automatically switched to the new song almost simultaneously and vice versa. Music share will never be such an easy and joyful thing.

Techniques: Python, JavaScript, Flask, MongoDB, WebSocket.

2010 – 2015 **Others**.
- PyWin: a Python version management tool on Windows, automatically find and help user to switch.
- StockData: a top holdings stock data collector.

Additional

Skills, *Java, Python, JavaScript, Flask, SQL(MySQL), NoSQL(MongoDB)*.

Awards, *Second prize of fellowship of Beihang University*.

Language, *TOEFL(94), GRE(313+3.0)*.

Self-Evaluation, *Collaborative, self-drive and fast learning.*.