

weijie LIN

PERSONAL DATA

ENGLISH NAME: Mike
PHONE: +86 15007038987
EMAIL: sabergeass@gmail.com
GITHUB: <https://github.com/MikeLing>
BLOG: <https://mikelingblog.wordpress.com>
LINKEDIN: <https://www.linkedin.com/in/lingmike>

WORK EXPERIENCE

Mar 2015 Sep 2016	Mozilla Contributor <i>Mozilla A-Team</i> As an open source contributor, I was involved with several projects in the A-team to learn and practice my programming skills. mozregression (Python; Socket; PyQt5): mozregression is an interactive regression range finder for Firefox and other Mozilla products. My job was to polish its GUI and release its .dmg version for OS X. [1] mozilla ci tools (Python): It is a collection of tools for interacting with Mozilla's continuous integration systems. My major task was to split pushlog[2] module from codebase and release it as an independent package, so other tools in A-team can use it directly.[3] Perfherder (Javascript, Angular Python, MySQL):Perfherder is a dashboard intended to allow monitoring and analyzing of automated performance tests run against Mozilla products (currently Firefox and Firefox for Android). My job was to make Perfherder detect sustained changes in the result distribution for talos tests, which is often necessary to be able to confirm regressions. Working with my mentor, I added new features for Comparison mode and Continuing data challenges session, so the developers can view their performance changes easier.[4]
JUN-SEP 2016	Google Summer of Code Student 2016 <i>Mozilla</i> [5] Mozilla has thousands of testing jobs for a push but it isn't necessary run each of them as they are time consuming and hardware resources are limited. SETA (Search for Extraneous Test Automation) is a tool, which built on Flask and MySQL, to help us find out which test jobs are necessary for detecting test failures based on historical data. To make it more maintainable and more reliable, we move it to heroku and migrate its database to Postgresql. We also add more unit test for it and integrate SETA into our new CI system. For more detail of this project, please read my blog .
Mar 2016 Now	Team Member <i>NanChang Hangkong University, Software College</i> Maintain and add new features to current Internet of Things Middleware in use. Develop its register client for middleware server on window.
Jun-Sep 2017	Google Summer of Code Student 2017 <i>Shogun-toolbox</i> [6] The Shogun Machine learning toolbox is an efficient toolbox for Machine Learning. During this summer, my major job was to replace internal data structures with STL and to enable bigger input for our machine learning module. You could find more detail of this project on this gist .

COMPUTER SKILLS

Python	● ● ● ● ●	Numpy, Flask, Sklearn, Meta-Programming, Flask, Django
C++	● ● ● ● ●	intermediate level; and some MFC experience
DB	● ● ● ● ●	Basic level; know how to use MySQL and Postgres by Python
Javascript	● ● ● ● ●	basic level; can read and write some js scripts; have experience in AngularJs and jQuery before
Qt	● ● ● ● ●	very basic level; and only for PyQt

EDUCATION

SEP 2010 - JUN 2014	Undergraduate Degree in NETWORK ENGINEERING, North China Institute of Aerospace Engineering, China
SEP 2015 - Now	Master Degree in INTERNET OF THINGS, Nanchang Hangkong University, China

SCHOLARSHIPS AND CERTIFICATES

DEC. 2010	
SEPT. 2011	The Second Prize Scholarship for each semester
DEC. 2011	
DEC. 2012	The outstanding student leaders
AUG. 2017	Big Data Challenge 2017 - winning prize

LANGUAGES

ENGLISH: Intermediate

INTERESTS AND ACTIVITIES

Technology, Open-Source, Programming
Running, Football, Travelling

REFERENCES

- [1] Pr for Mozregression [Link](#)
- [2] Pr for PushLog [Link](#)
- [3] Pr for mozilla ci tools [Link](#)
- [4] Pr for treeherder [Link](#)
- [5] GSoC for SETA [archive page](#)
- [6] GSoC for Shogun [project page](#)