

Yiguang Lu

Software Development Engineer

EDUCATION

2009.9–2013.7 **Tongji University, Shanghai, China.**
Bachelor of Engineering in Software Engineering

INTERNSHIP

2012.4–2013.6 **Connected Drive Lab, BMW China.**

- Responsible for developing and testing for Driving Assistance System using **C**, **C++** and **Python**.
- Collected, sorted out and analyzed data of test-drive for Driving Assistance System.
- Contributed to several experimental **Android** projects.

PROJECTS

2011.11–2012.1 **Tilt, Leader and Main Contributor**

Tilt is a git-based command line Version Control System (VCS) which manages commit history of source code.

- Designed the basic architecture of the program.
- Implemented the program using **C**, **C++/Boost** and **Ruby** respectively.

2011.6–2011.11 **3D CubeCube, Main Contributor.**

3D CubeCube is a 3D four-in-a-row Android Game, it could be a challenging work.

- Finished the AI part, used bit operation to accelerate computing.
- Took part in Android Application Development Challenge of Chinese College Students by Google in 2011, and won the Third Prize in Shanghai Area.

2013.5–2013.7 **TestFrameworkProto, Main Contributor**

This is a prototype for test framework, it will run different kind of tests based on different formulas.

- Designed the basic architecture of the program and implemented the most code.
- Used **Python** as programming language, **Web.py** as framework.

2013.5–2013.7 **Safe Go, Main Contributor**

Safe Go is a Driving Assistance System for judging the spirit status of driver by collecting and analyzing his brain wave.

- Implemented the software part by **C#**.
- Took part in College Competition of Embedded by Intel in 2012, and won 3rd Prize in final.

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SKILLS

» Over 2 years experience of using and managing **Linux**, used distributions like **Ubuntu**, **Arch Linux**, **Gentoo**, etc. knowledges in **Shell Script**, Expertise in **Git**.

» Expertise in **C** and **C++**, experienced in **STL** and **Boost**.

» Experienced in **Java** and **Android**.

» Extensive knowledge of Algorithms. Strong abilities of solving algorithms problems.

» Knowledge of scripting languages like **Ruby**, **Python** and **Perl**, framework and **DSL** like **Web.py**, **Rails** and **Sinatra**.

» Knowledge of markup languages like **Mark-Down**, **Textile** and **ReStructuredText**, document tool like **Sphinx**.

» Experienced in using **Vim** and **Vim Script**, knowledges in **Sublime Text**.

» Knowledges in **LaTeX**.

SOCIAL

» Been a TA for course Linux Programming in third grade in university.

» Been a major person in charge of Google Camp in Tongji University, took part in Enterprise Communication.

» In 2007, Won 1st Prize in Nation Olympiad in Informatics in Provinces, Hunan, by China Computer Federation.