

# 鲁倚光

软件开发工程师

## 教育程度

2009.09 – 2013.07 同济大学软件学院，软件工程  
工学学士

## 实习经历

2012.04 – 2013.06 宝马（中国）上海互联驾驶研究院

- 使用C、C++和Python，负责行车辅助系统的开发、维护及测试。
- 参与分析、设计行车辅助系统执行策略，以及实现策略和验证策略有效性，给出相应评估。
- 参与多个实验性Android项目开发。负责其中整个模块的具体实现。
- 在行车辅助系统路测的过程中收集、整理并分析测试数据，生成数据对照表。

## 项目经历

2011.11 – 2012.01 Tilt，项目组长，主要贡献者

Tilt是一个版本控制系统。基于Git思想设计，用于管理项目源码，控制项目进度。

- 负责软件架构的设计和基本源码的实现。
- 项目分别有C，C++/Boost和Ruby的实现。

2011.06 – 2011.11 3D CubeCube，主要贡献者

3D CubeCube是一个有挑战性的Android平台三维四子棋游戏。

- 负责设计并实现AI部分代码，使用了位运算加速解决方案的推导。
- 项目获得2011年谷歌大学生Android应用挑战赛区域三等奖。

2013.05 – 2013.07 基本测试框架原型，主要贡献者

本项目是一个基本测试框架原型，通过上传不同的配置脚本来进行不同内容的测试。

- 负责软件架构的设计和基本源码的实现。
- 使用Python编写，使用Web.py做后端。至今仍在开发维护中。

2012.04 – 2012.07 一路同行，主要贡献者

一路同行是一个驾驶辅助系统，通过在驾驶过程中收集驾驶员脑波，分析其精神集中状况，来判断其是否适合驾驶。

- 负责软件部分的实现，使用C#编写。
- 项目获得2012年英特尔杯全国大学生嵌入式挑战赛决赛三等奖。

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## 掌握技巧

» 超过两年Linux使用和管理经验，熟悉多个Linux发行版，比较熟悉Shell Script，熟练使用Git。

» 精通C和C++，有较多Boost和STL使用经验。

» 比较熟悉Java和Android。

» 有良好的算法基础，具有解决算法问题的能力。

» 熟悉Ruby、Python和Perl等脚本语言，Web.py、Rails和Sinatra等DSL和框架。

» 熟悉Markdown、Textile和ReStructuredText等标记语言，Sphinx等文档生成工具。

» 熟练使用Vim和Sublime Text，熟悉Vim Script。

» 熟练使用 $\text{\LaTeX}$ 。

## 社会经历

» 大三下期，在同济大学软件学院课程《Linux程序设计》中，担任助教。

» 在同济大学Google Camp担任主要负责人，参与组织企业合作。

» 高二上期，参加全国青少年信息学奥林匹克信息大赛，获湖南赛区一等奖及大学保送资格。

# 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 3<sup>rd</sup> 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.

To whom it may concern:

My name is Amen Hamdan, and I am currently working as Senior Manager for software development at the BMW ConnectedDrive Lab China in Shanghai. Since April 2012 I had the pleasure to supervise Yiguang Lu in the course of this internship at our department.

During his time at our lab he was involved in different projects, sometimes even in parallel. He was always able to obtain a deep understanding of the required solution and how to utilize software technologies to achieve the required target. He showed a rich understanding of all aspects of software development, both on a theoretical as well as on a practical level. This is especially true for development heavy tasks involving complex programming. He was working both in the automotive application context with on-board software as well as on off-board features like mobile applications.

Even though Yiguang is more on the silent and calm side personality wise, he grew to become an important part of our team with strong technical skills. I have enjoyed getting to know him as a person and find him to be very curious, interested and open for any challenge. I have no doubt that his skills, focus, and determination will help him in his future career. Since we are not able to offer him any position within our lab for the time being, I wish him all the best and would be happily available for any inquiries.

Kindest Regards

A handwritten signature in black ink, appearing to read 'Amen Hamdan', with a stylized, flowing script.

Amen Hamdan