

# Yiguang Lu

Software Development Engineer

## EDUCATION

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

## WORK EXPERIENCE

**2013.8–present** **Ctrip Shanghai, System Engineer**

**Orca: Ctrip Private Cloud Platform(Based on OpenStack)**

- Focus on **OpenStack** Computing(Nova), in position of developing Nova VMware driver.
- Provide technical support for Ctrip Private Cloud in production.
- Take daily maintenance for Private Cloud in Ctrip QA Farm, including VMware and KVM virtual machine.
- Upgrade OpenStack from Grizzly to Icehouse.
- Use **SaltStack** to install/upgrade infrastructures, develop salt state trees.

**Midway: Orca API for Ctrip Remedy**

- Main contributor for VM provisioning(including VMware and KVM) and hypervisor privisoning(including ESXi and KVM) module. Using **Python**.
- Configure ELK(Elasticsearch, Logstash, Kibana) for midway, make clearly show for error type and API time spent.

## INTERNSHIP

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

**KaFas: Driving Assistance System**

- 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.

**TestFrameworkProto: 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.

**Contributed to several experimental **Android** projects.**

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**GitHub** github.com/lukmy

## SKILLS

- » Over 3 years experience of using and managing **Linux**, knowledged in **Shell Script**, Expertise in **Git**.
- » Expertise in **Python**, knowledged in **Open-Stack** Components, knowledged in Celery
- » Experienced in using configuration management tool such as **SaltStack**, **Fabric** and **Ansible**.
- » Experienced in using **Vim** and **Vim Script**, knowledged in **Sublime Text**.
- » Experienced in **Java** and **Android**.
- » Extensive knowledge of Algorithms. Strong abilities of solving algorithms problems.
- » Knowledge of markup languages like **Mark-Down**, **Textile** and **ReStructuredText**, document tool like **Sphinx**.
- » Knowledge of **C** and **C++**, experienced in **STL** and **Boost**.
- » Knowledged in **LaTeX**.

## SOCIAL

- » Won People Choice's Award in the 1st Ctrip Hackathon.
- » Been a TA for course Linux Programming in thrid 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.