

Xin Lyu

Beijing Normal University, Xinhai Street 19#, Haidian District, Beijing, 100875, P.R.China

☎ (+86) 157-1107-2821 | ✉ lvxin0405@outlook.com | 📱 lvxiaoxin

Education Background

College of Information Science and Technology(Beijing Normal University)

Sep. 2014 - June. 2018

B.S. IN COMPUTER SCIENCE AND TECHNOLOGY

Beijing, CHINA

Overall GPA: 3.50/4.0, Major GPA: 3.60/4.0, TOEFL: 101, GRE: 149 + 169 + 3.0

Awards: Lingyun Scholarship, *which is honored for excellent students in CS department.* (4/500)

First Prize Scholarship for Competition, *which is honored for outstanding performance in academic competitions.* (16/500)

Work/Intern Experience

Wecash Inc.

July. 2018 - Present

PYTHON ENGINEER

Beijing, China

- Applied Machine Learning Algorithm to build mathematical models on customers' credit.
- Involved in the developing of the whole Financial Risk Management System.
- Worked as a Machine Learning and Full-stack Python Engineer at Wecash. (KPMG China Leading Fintech Top 50)

Red Hat

Mar. 2018 - June. 2018

QUALITY ENGINEERING INTERN

Beijing, China

- Worked on kvm testing and Linux kernel research, with a focus on Network function virtualization
- Involved in developing new open source testing framework with Python.

The University of Texas at Austin

Jul. 2017 - Oct. 2017

RESEARCH ASSISTANT INTERN

Austin, U.S.A

- Co-operated with Associate Professor Isil Dillig, and Worked on a project which aims to develop new techniques and tools to identify vulnerabilities related to the space and time resources usage behavior of algorithms, including algorithmic complexity and side channel attacks.
- Implemented a tool, *InsnCounter*, to count the number of Java bytecode instructions along the execution path with ASM.
- Used *InsnCounter* to evaluate the difference between a pair of inputs in the testing process of side channel attacks.
- Used first-order logic language like *Alloy* to find models which could satisfy combinations of specific predicates.
- Wrote hundreds of lines of *shell* scripts code to make the testing process become automatic.

Peking University

Nov. 2016 - Jun. 2017

RESEARCH ASSISTANT INTERN

Beijing, CHINA

- Co-operated with Professor Lei Zou, and Worked on gStore, which is a graph database Engine.
- Constructed the HTTP RESTFUL interface for the database engine independently with C++.
- Supported concurrent requests by implementing HTTP's persistent connection and asynchronous request handling, etc.
- Implemented the functionality of separated sessions by different users.

Projects Experience

Web - Official Website for iGEM2016-BNU-China

Sep. 2016 - Oct. 2016

TEAM LEADER

Beijing, CHINA

- As the team leader, responsible for the whole web design and team work.
- Implemented the front-end of website with HTML/CSS3/Javascript.
- Achieved some amazing effects advanced technologies, including Flex Box Model, Bootstrap and JQuery.
- Viewable here: <http://2016.igem.org/Team:BNU-China/Team>.

Honors & Awards

2016 **Gold Medal** The International Genetically Engineered Machine(iGEM) Design Competition

Boston, U.S.A

2016 **Honorable Mention** COMAP's Mathematical Contest in Modeling(MCM)

U.S.A

Skills

Versed **Programming Language** C, C++, Python, Swift, Java, SQL, HTML, CSS, JavaScript, etc.

Mastered **Professional Knowledge** Flask, Django, Bootstrap, JQuery, ASM, Linux, etc.