

LUYAO REN 任路遥

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EDUCATION

Peking University 北京大学 Beijing, China

Class of 2020

Undergraduate in School of Electronics Engineering and Computer Science, major in Data Science.

PUBLICATION

- Jiajun Jiang, **Luyao Ren**, Yingfei Xiong, Lingming Zhang. **Inferring Program Transformations From Singular Examples via Big Code**. In Proceedings of the 34th IEEE/ACM International Conference on Automated Software Engineering (ASE '19).
- **Luyao Ren**. **Automated Patch Porting across Forked Projects**. In Proceedings of the 27th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE '19 Student Research Competition).
- **Luyao Ren**, Shurui Zhou, Christian Kästner, Andrzej Wąsowski. **Identifying Redundancies in Fork-based Development**. In Proceedings of the 27th IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER '19).
- **Luyao Ren**, Shurui Zhou, Christian Kästner. **Forks Insight: Providing an Overview of GitHub Forks**. In Proceedings of the Companion of the 40th International Conference on Software Engineering (ICSE '18 Posters).

AWARDS

- ACM-ICPC Asia CHINA-Final(2016), **Gold Medal**
- ACM-ICPC Asia Regional (Xi'an 2017, Dalian 2016, Hefei 2015), **Gold Medal**
- National Olympiad in Informatics in China (2014), **Silver Medal**

WORK EXPERIENCE

The Hong Kong University of Science and Technology Hong Kong

July '19 – present

Research Intern CASTLE Research Group, Mentor: Shing-Chi Cheung

- Research on machine learning testing.

Peking University 北京大学 Beijing, China

Feb '18 – present (part-time)

Research Intern Software Engineering Institute, Mentor: Yingfei Xiong

- Research on code transformation and automated program repair.

Carnegie Mellon University Pittsburgh, USA

July '18 – Sep '18 (3 months)

Research Intern Institute for Software Research, Mentor: Christian Kästner

- Research on the topic about identifying redundancies in software development.

Google Mountain View, USA

June '17 – Sep '17 (3 months)

Software Engineer Intern AdMob Team, Mentor: Katrina Xu

- Anomaly detection on AdMob Stats using time series analysis.

Microsoft Beijing, China

July '16 – Jan '17 (6 months)

Software Engineer Intern XiaoIce (微软小冰) Team, Mentor: Peng Chen

- Work on crawler framework. Improve Doc-Chat feature using some natural language processing technique.