

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

5. Yuhao Zhang, **Luyao Ren**, Liqian Chen, Yingfei Xiong, Shing-Chi Cheung, Tao Xie. **Detecting Numerical Bugs in Neural Network Architectures**. Submitted to the 42th International Conference on Software Engineering (ICSE '20). Currently Under Review.
4. 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).
3. **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).
2. **Luyao Ren**, Shurui Zhou, Christian Kästner, Andrzej Wasowski. **Identifying Redundancies in Fork-based Development**. In Proceedings of the 27th IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER '19).
1. **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(NOI 2014), **Silver Medal**
- ACM SIGSOFT CAPS Travel Award

EXPERIENCE

Peking University 北京大学 Beijing, China

Sep. '18 – present

Research Intern Software Engineering Institute, Mentor: Yingfei Xiong

- Research on program transformation, automated program repair [3, 4].

The Hong Kong University of Science and Technology Hong Kong SAR

July '19 – Sep. '19

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

- Researched on machine learning testing, debugging on deep learning [5].

Carnegie Mellon University Pittsburgh, USA

July '18 – Sep. '18

Research Intern Institute for Software Research, Mentor: Christian Kästner

- Researched on improving collaboration and identifying redundancies in fork-based development [1, 2].

Google Mountain View, USA

June '17 – Sep. '17

Software Engineer Intern AdMob Team, Mentor: Katrina Xu

- Built a pipeline for anomaly detection on mobile advertising data, mainly coding in C++ and SQL.