Runze Yu

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| Hangzhou, Zhejiang, China |

EDUCATION

Wuhan University   Wuhan, China
MSc in Computer Science   *Sept. 2018 – Jun. 2021*

- GPA: A (90+/100)
- Coursework covers math and statistical modelling, AI, software engineering, and algorithm design
- One publication on a top-tier conference
- Winner of Wuhan University Academic Innovation Scholarship

Northwestern Polytechnical University   Xi'an, China
BEng in Software Engineering   *Sept. 2014 – Jun. 2018*

- GPA ranking in the faculty: 23/241 (top 9%)
- Thesis: Identification and analysis of object state query method in Java program (Grade: 95.4/100)
- 5 times NPU excellence scholarship winner

EXPERIENCE

Java Engineer   Jul. 2021 – Present
Alibaba, Enterprise Intelligence Division   *Hangzhou, China*

- Built a decision-making background system to fulfil executive document publishing demands
- Built a platform to visualise and analyse Alibaba Group's daily office data, including code statistics and work distribution
- Core techniques: `mysql`, `statemachine`, `mq`, `redis`, `mangoDB`, `gdb`

Researcher   Jan. 2018 – Nov. 2018
Huawei   *Shenzhen, China*

- Automated log feature extraction and analysis

PROJECTS

Java Method Characteristics Discovery | *Spoon, Weka, EvoSuite, Randoop*   Sept. 2018 – Oct. 2020

- Optimised test case creation by extracting Java method characteristics
- A paper that was published on the tool-track of the International Conference on Automated Software Engineering
- Learned about machine learning and testing in Java and how to use tools like `Spoon`, `Weka`, `EvoSuite`, `Randoop`

Automated Log Feature Analysis Tool | *Data Mining, JSON Parser*   Jan. 2018 – Nov. 2018

- Part of the work with Huawei
- Made an automated tool whose job is to find a pattern in the system log that shows how the programme was run. This model is made up of log messages, which are used to help staff find possible problems
- The tool was adopted by Huawei and implemented into the system

PUBLICATIONS

- R. Yu, Y. Zhang and J. Xuan, "MetPurity: A Learning-Based Tool of Pure Method Identification for Automatic Test Generation," *2020 35th IEEE/ACM International Conference on Automated Software Engineering (ASE)*, 2020, pp. 1326-1330.

Languages

- Mandarin Chinese (Native)

- English (C1/Proficiency, IELTS 6.5-7)

Technical Skills

- Solid Java programming abilities, able to tackle problems using a variety of design patterns and data structures

- Competent in additional programming languages

- Solid prior experience with distributed systems

- Knowledge of AI-related areas like machine learning and data mining

Communication Skills

- Team-worker with strong team sense

- Always ready to acquire new knowledge

- Rapidly absorbing new information and enthused about cutting-edge technologies

- Well-organised and self-disciplined