CHENGRAN YANG

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EDUCATION

University of Electronic Science and Technology of China *Sep. 2016 - Jun. 2020*
B.Eng. in Software Engineering, ranking: 4/119, GPA: 3.92/4.00
Singapore Management University *Sep. 2021 - Present*
PhD in Computer Science, supervised by Prof. [David Lo](#)

SELECTED PAPERS

• Yang, C., et .al (2022). Answer Summarization for Technical Queries: Benchmark and New Approach. In the 37th IEEE/ACM International Conference on Automated Software Engineering (ASE 2022).
• Yang, C., Xu, B., Khan, J. Y., Uddin, G., Han, D., Yang, Z., Lo, D. (2022). Aspect-Based API Review Classification: How Far Can Pre-Trained Transformer Model Go. In 2022 IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER 2022).
• Yang C, Thung F, Lo D. Efficient Search of Live-Coding Screencasts from Online Videos. In 2022 IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER 2022).
• He, J., Xu, B., Yang, Z., Han, D., Yang, C., Lo, D. (2022). PTM4Tag: Sharpening Tag Recommendation of Stack Overflow Posts with Pre-trained Models. In 30th IEEE/ACM International Conference on Program Comprehension (ICPC 2022)
• Xu, B., Hoang, T., Sharma, A., Yang, C., Xia, X., Lo, D. (2021). Post2vec: Learning distributed representations of Stack Overflow posts. IEEE Transactions on Software Engineering (TSE journal).

WORKING EXPERIENCE

School of Computing and Information Systems, SMU *Singapore*
Research Engineer, P.I.: Professor David Lo *Sep. 2020 - present*
• help developers better understand the APIs' usage by leveraging external resources
• augment the API documentation through external resources and summarization

Institute of Computing Technology, Chinese Academy of Sciences(CAS) *Beijing, China*
Research Assistant *Jan. 2019 -Aug. 2019*
• Customized Apache Spark optimization strategies for various workloads in [BigDataBench](#) project.
• Optimized an open-source JVM profiler (to support Spark) for flame graphs generation using Linux Perf, ensuring successful hotspot identification.

Real-time Computing Lab for Embedded Systems, Chengdu *Chengdu, China*
Research Assistant, P.I.: Professor Nan Sang *Jan. 2018 - Dec. 2018*
• Analyzed and worked on server performance optimization utilizing 100 GB Alibaba cluster data.
• Performed interdependency analysis through Directed Acyclic Graph (DAG) structure.
• Studied pattern recognition of mutation record via the outlier analysis approach.

SELECTED HONORS AND COMPETITION EXPERIENCES

First-class People's Scholarship Recipient, UESTC	*2020*
First-class People's Scholarship Recipient, UESTC	*2019*
First-class People's Scholarship Recipient, UESTC	*2018*
Winner of Third Prize in WeChat Program Competition, UESTC	*2018*
Honorable Mention Recipient of The Mathematical Contest In Modeling (MCM), China	*2018*
Excellent Poverty Alleviation Volunteer Award Recipient, Guizhou Province	*2018*
University Top Ten Innovative Talents Award Recipient, UESTC	*2017*

Second-class People's Scholarship Recipient, UESTC   *2017*
University Excellent Volunteer Award Recipient, UESTC   *2017*