

2020 Software Testing Contest at UT Dallas

W. Eric Wong
Chair, RS Dallas Chapter
Editor-in-Chief, IEEE Transactions on Reliability
Secretary, IEEE Reliability Society

Jey Veerasamy
Director
Center for CS Education & Outreach
University of Texas at Dallas

The 2020 Contest on Software Testing for the Dallas Fort-Worth Metropolitan area was held at the University of Texas at Dallas on February 6th. This event was co-sponsored by the Computer Science Department at UT Dallas and the Dallas Chapter of IEEE Reliability Society. A tutorial on software testing was also presented. Through this contest and tutorial, we brought real-world testing and tool experience to the participants and provided excellent opportunities for them to practice their learned testing techniques to address industry testing challenges.

There were over 70 contestants from local universities and high schools. They were divided into two groups: college group and high school group. The contest was individual based. Each contestant was required to design test cases with specific input values based on the given source code and specification to test two Java programs. The quality of test cases was measured by the code coverage and mutation score.

The first place of each group received a cash prize of \$1,000 USD, followed by the second for \$500 USD, the third place for \$250, and five fourth places each received a present.

Winners of the College Group:

- 1st Place: Jonathan Browne, The University of Texas at Austin
- 2nd Place: Noah Corbin Parker, The University of Texas at Dallas
- 3rd Place: Man Parvesh Singh Randhawa, The University of Texas at Dallas

Winners of the High School Group:

- 1st Place: George Zhang, Jasper High School
- 2nd Place: Thomas Kerr, Highland Park High School
- 3rd Place: Kane Dong, Lebanon Trail High School

Every contestant also received a certificate of completion from the IEEE Reliability Society, Dallas Chapter and Department of Computer Science, University of Texas at Dallas.

We would like to give special acknowledgments to our sponsors for their generosity to provide cash prizes and presents to the contest winners:

- [DM labs](#): \$2,000 USD
- [Bizcloud Experts](#): \$1,000 USD
- [Hanker](#): \$500 USD.

We also thank Mooctest, Inc. (Nanjing, China) for providing the [Mooctest.net](#) platform to facilitate the contest, student helpers from the University of Texas at Dallas (Linghuan Hu, Shou-Yu Lee, Dongcheng Li, Tianyang Li, Bharanidhar Reddy Anumula, Nagendra Tamiri, Jaswanth Kishore Yarram, Greeshma Naredla, Vinita Talreja, and Yamini Thota) and those from Nanjing University (Professor Zhenyu Chen, Yuan Zhao, and Xiaobo Xue) for all their support.



Winners of the College Group



Winners of the High School Group