

Stanford



Min Wu

Postdoctoral Scholar, Computer Science

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Oxford , Computer Science (2020)

STANFORD ADVISORS

- Clark Barrett, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.co.uk/citations?user=KIvRCsoAAAAJ&hl=en>

Publications

PUBLICATIONS

- **A survey of safety and trustworthiness of deep neural networks: Verification, testing, adversarial attack and defence, and interpretability?** *COMPUTER SCIENCE REVIEW*
Huang, X., Kroening, D., Ruan, W., Sharp, J., Sun, Y., Thamo, E., Wu, M., Yi, X.
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- **A game-based approximate verification of deep neural networks with provable guarantees** *THEORETICAL COMPUTER SCIENCE*
Wu, M., Wicker, M., Ruan, W., Huang, X., Kwiatkowska, M.
2020; 807: 298-329
- **Robustness Guarantees for Deep Neural Networks on Videos**
Wu, M., Kwiatkowska, M., IEEE
IEEE.2020: 308-317
- **Assessing Robustness of Text Classification through Maximal Safe Radius Computation** *Findings of the Association for Computational Linguistics: EMNLP 2020*
La Malfa, E., Wu, M., Laurenti, L., Wang, B., Hartshorn, A., Kwiatkowska, M.
2020: 2949-2968
- **Gaze-based Intention Anticipation over Driving Manoeuvres in Semi-Autonomous Vehicles**
Wu, M., Louw, T., Lahijanian, M., Ruan, W., Huang, X., Merat, N., Kwiatkowska, M., IEEE
IEEE.2019: 6210-6216
- **Global Robustness Evaluation of Deep Neural Networks with Provable Guarantees for the Hamming Distance** *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence*
Ruan, W., Wu, M., Sun, Y., Huang, X., Kroening, D., Kwiatkowska, M.
2019: 5944-5952
- **Concolic Testing for Deep Neural Networks**

Sun, Y., Wu, M., Ruan, W., Huang, X., Kwiatkowska, M., Kroening, D., Huchard, M., Kastner, C., Fraser, G.
IEEE.2018: 109-119

- **Safety Verification of Deep Neural Networks**

Huang, X., Kwiatkowska, M., Wang, S., Wu, M., Majumdar, R., Kuncak
SPRINGER INTERNATIONAL PUBLISHING AG.2017: 3-29