

Tracking, Revealing and Detecting Crowdsourced Manipulation

<http://digital.cs.usu.edu/~kyumin/cm>

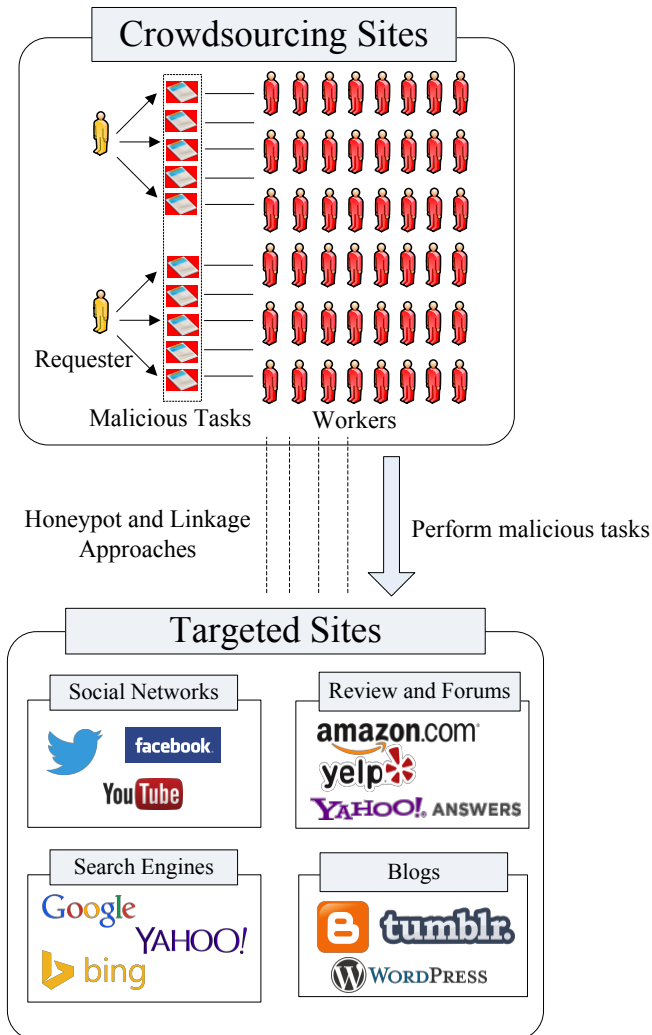


Challenge:

"Crowdturfers" spread malicious URLs in social media, form artificial grassroots campaigns ("astroturf"), manipulate search engines (e.g., via large-scale pay-per-click campaigns), write fake reviews, and create accounts for further attacks

Solution:

Create algorithms, frameworks, and systems for defending the open web ecosystem from these emerging threats.



Scientific Impact:

- Malicious task detector
- New blacklists for malicious tasks
- Detection of crowdturfers and other malicious participants

Broader Impact:

- Enable crowdsourcing service providers and targeted sites service providers to detect crowdsourced manipulation.
- Create future work force by creating Data Science courses, and actively recruit female students by working with USU's chapter of the ACM-W.

Award: 1553035

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