

Hans William Alexander Hanley

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[Homepage](#), [Blog](#), [CV](#)



Education

- PhD Computer Science, Stanford University**, GPA: 4.031 2020-2025
Meta PhD Research Fellow: Computational Social Science Stanford, CA
National Science Foundation Graduate Fellow
- MSc Statistical Science, University of Oxford, 2020**, Distinction (Highest Honors) 2019-2020
Daniel M. Sachs Class of 1960 Graduating Scholarship at Worcester College Oxford, UK
- MSc Advanced Computer Science, University of Oxford, 2019**, Distinction (Highest Honors) 2018-2019
Daniel M. Sachs Class of 1960 Graduating Scholarship at Worcester College Oxford, UK
- BSE Electrical Engineering, Princeton University, 2018**, Highest Honors, GPA: 3.982 2014-2018
Concentration: Information Security and Privacy Princeton, NJ
Minors: Applications of Computing, Robotics and Intelligent Systems
- Proficient Languages:** Java, Python, C, Go, R, Git, TensorFlow, PyTorch, Huggingface
Experienced Languages: Mandarin Chinese (HSK 4), MATLAB, C#, C++

Professional Experience

- Microsoft Software Engineering Intern** Summer 2018
Microsoft Business Applications Group Data Engine Team Software Intern, Seattle, WA
- Implemented a new framework in C# for Microsoft Business Application Group's mobile offline synchronization tool allowing the tool to scale more efficiently to 2x the number of users while reducing synchronizing time by 75%.
 - Tested newly designed framework by utilizing 7 unique load and stress tests on a 30 server scale group to ensure the robustness of the implementation.
 - Created concurrent row versioning feature across multiple servers for use in the mobile offline synchronization tool allowing more efficient data retrieval.
- Google Software Engineering Intern** Summer 2017
Google Gmail Security Team Software Intern Sunnyvale, California
- Designed and implemented a new security feature for Gmail Android to analyze outgoing email addresses and reduce user vulnerability.
 - Implemented client security logic to decrease client requests' latency and bandwidth for processing recipient addresses to the Gmail backend server.
 - Refactored and streamlined Gmail frontend and backend code to improve reliability and readability of code analyzing outgoing recipient addresses.

Select Publications, [See Google Scholar](#)

- [Specious Sites: Tracking the Spread and Sway of Spurious News Stories at Scale](#)
Hans Hanley, Deepak Kumar, Zakir Durumeric
In 45th IEEE Symposium on Security and Privacy (Oakland 2024), May 2024.
- [TATA: Stance Detection via Topic-Agnostic and Topic-Aware Embeddings](#)
Hans Hanley and Zakir Durumeric
In The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023) December 2023
- [Machine-Made Media: Monitoring the Mobilization of Machine-Generated Articles on Misinformation and Mainstream News Websites](#)
Hans Hanley and Zakir Durumeric
In Submission to 18th International AAAI International Conference on Web and Social Media (ICWSM), June 2024
- [Partial Mobilization: Tracking Multilingual Information Flows Amongst Russian Media Outlets and Telegram](#)
Hans Hanley and Zakir Durumeric
In 18th International AAAI International Conference on Web and Social Media (ICWSM), June 2024.
- [Happenstance: Utilizing Semantic Search to Track Russian State Media Narratives about the Russo-Ukrainian War On Reddit](#)
Hans Hanley, Deepak Kumar, Zakir Durumeric
In 17th International AAAI International Conference on Web and Social Media (ICWSM 2023), June 2023.