Yuchen Zhao

Research Fellow in Computer Science

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Education

2013–2017	**Ph.D., Computer Science**, *University of St Andrews*, St Andrews, UK.
2011–2013	**M.Sc., Information Security**, *Wuhan University*, Wuhan, China.
2007–2011	**B.Eng., Information Security**, *Huazhong University of Science and Technology*, Wuhan, China.

Appointments

07/2018–	**Research Fellow**, *School of Electronics and Computer Science*, University of Southampton, Southampton, UK.
07/2017– 06/2018	**Research Fellow**, *Cyber Security Centre*, De Montfort University, Leicester, UK.

Publications

[1] Y. Zhao and I. Wagner. On the Strength of Privacy Metrics for Vehicular Communication . *IEEE Transactions on Mobile Computing*, 18(2):390 – 403, Feb. 2019. https://doi.org/10.1109/TMC.2018.2830359.

[2] Y. Zhao and I. Wagner. POSTER: Evaluating Privacy Metrics for Graph Anonymization and De-anonymization. In *Proceedings of the 2018 ACM Asia Conference on Computer and Communications Security (ASIA CCS '18)*, Incheon, Republic of Korea, June 2018. https://doi.org/10.1145/3196494.3201586.

[3] Y. Zhao. *Recommending Privacy Preferences in Location-Sharing Services*. PhD thesis, School of Computer Science, University of St Andrews, June 2017. Online at http://hdl.handle.net/10023/11055.

[4] Y. Zhao, J. Ye, and T. Henderson. A Robust Reputation-based Location-privacy Recommender System Using Opportunistic Networks. In *Proceedings of the 8th EAI International Conference on Mobile Computing, Applications and Services (MobiCASE '16, acceptance rate = 38%)*, Cambridge, UK, Dec. 2016. https://doi.org/10.4108/eai.30-11-2016.2267031.

[5] Y. Zhao, J. Ye, and T. Henderson. The Effect of Privacy Concerns on Privacy Recommenders. In *Proceedings of the 21st International Conference on Intelligent User Interfaces (IUI '16, acceptance rate = 25%)*, pages 218 – 227, Sonoma, CA, USA, Mar. 2016. https://doi.org/10.1145/2856767.2856771.

[6] Y. Zhao. Usable Privacy in Location-Sharing Services. In *Companion Publications of the 21st International Conference on Intelligent User Interface (IUI '16 Companion)*, pages 110 – 113, Sonoma, CA, USA, Mar. 2016. https://doi.org/10.1145/2876456.2876458.

[7] Y. Zhao, J. Ye, and T. Henderson. Privacy-aware Location Privacy Preference Recommendations. In *Proceedings of the 11th International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous '14, acceptance rate = 19%)*, pages 120–129, London, UK, Dec. 2014. https://doi.org/10.4108/icst.mobiquitous.2014.258017.

[8] Y. Zhao, J. Ye, and T. Henderson. POSTER: Recommending Location Privacy Preferences in Ubiquitous Computing. In *Proceedings of the 7th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec '14)*, Oxford, UK, July 2014.

Funding

2013–2017	**600th Anniversary Scholarship (award rate = 7/80)**, *University of St Andrews*.

2016 **IUI 2016 Student Travel Grant**.

Talks

2017 **"A Robust Reputation-based Location-privacy Recommender System using Opportunistic Networks"**, *The Scottish Networking Event (SCONE)* , Glasgow.

2016 **"A Robust Reputation-based Location-privacy Recommender System using Opportunistic Networks"**, *The 8th EAI International Conference on Mobile Computing, Applications and Services*, Cambridge.

2016 **"Usable Privacy in Location-Sharing Services"**, *The Student Consortium of the 21st International Conference on Intelligent User Interfaces*, Sonoma.

2016 **"The Effect of Privacy Concerns on Privacy Recommenders"**, *The 21st International Conference on Intelligent User Interfaces*, Sonoma.

2014 **"Privacy-aware Location-privacy Preference Recommendations"**, *The 11th International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services*, London.

2014 **"Privacy-aware Location-privacy Preference Recommendations"**, *The Scottish Networking Event (SCONE)*, Edinburgh.

Service

Technical programme committees

2019 **Program committee, Demo & LBR of the 27th ACM Conference On User Modelling, Adaption and Personalization (UMAP 2019)**, *June 9-12, 2019*, Larnaca, Cyprus.

Program committee, The 27th ACM Conference On User Modelling, Adaption and Personalization (UMAP 2019), *June 9-12, 2019*, Larnaca, Cyprus.

2018 **Poster committee, The 16th ACM International Conference on Mobile Systems, Applications, and Services (MobiSys 2018)**, *June 10-15, 2018*, Munich, Germany.

Reviewer

2018 **Computer Communications**.

Journal of Information Security and Applications.

2016 **The 13th International Conference on Wirtschaftsinformatik**, *February 12-15, 2017*, St. Gallen, Switzerland.

Policy & Internet.

2015 **The 12th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2015)**, *August 10-14, 2015*, Beijing, China.

The 7th EAI International Conference on Mobile Computing, Applications and Services (MobiCASE 2015), *November 12-13, 2015*, Berlin, Germany.

Student volunteer

2016 **The 8th EAI International Conference on Mobile Computing, Applications and Services (MobiCASE 2016)**, *Cambridge*, UK.

The 21st International Conference on Intelligent User Interface (IUI 2016), *Sonoma, CA*, USA.

Skills

Programming, *Java (Weka, Lenskit, ONE, Android), Python (Django, NumPy, Matplotlib), C (Android), R (Lavaan).*

Word processing, *LATEX.*

Teaching

2016–2017 **Demonstrator**, CS1002 (Object-Oriented Programming).

St Andrews **Demonstrator**, CS2001 (Foundations of Computation).

Demonstrator, CS2003 (The Internet and the Web: Concepts and Programming).

2015–2016	**Tutor**, CS1002 (Object-Oriented Programming).
St Andrews	**Tutor**, CS1006 (Programming Projects).
	Demonstrator, CS1002 (Object-Oriented Programming).
	Demonstrator, CS2001 (Foundations of Computation).
	Demonstrator, CS2003 (The Internet and the Web: Concepts and Programming).
2014–2015	**Tutor**, CS1006 (Programming Projects).
St Andrews	**Demonstrator**, CS1002 (Object-Oriented Programming).
	Demonstrator, CS1003 (Programming with Data).
	Demonstrator, CS1006 (Programming Projects).
	Demonstrator, CS2003 (The Internet and the Web: Concepts and Programming).