

# 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– **Research Fellow**, *Cyber Security Centre*, De Montfort University, Leicester, UK.  
06/2018

## Publications

- [1] 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>.
- [2] Y. Zhao and I. Wagner. On the Strength of Privacy Metrics for Vehicular Communication. *IEEE Transactions on Mobile Computing*, 2018. <https://doi.org/10.1109/TMC.2018.2830359>.
- [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 **600<sup>th</sup> Anniversary Scholarship (award rate = 7/80)**, *University of St Andrews*.

2016 IUI 2016 Student Travel Grant.

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## 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.

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## Service

### Technical programme committees

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

### Reviewer

- 2018 *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.

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## Skills

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

**Word processing**,  $\text{\LaTeX}$ .

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## 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).