

# Kuo ZHAO

Faculty of Information Technology  
Monash University  
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## Academic Qualifications

- 2018–2022 **Doctor of Philosophy**,  
*Faculty of Information Technology*,  
Monash University, Clayton Campus.  
Supervisors: Ron Steinfeld & Amin Sakzad
- 02/2016–12/2017 **Master of Networks and Security**,  
*Faculty of Information Technology*,  
Monash University, Caulfield Campus.  
**Masters thesis:** “Efficient implementation techniques for lattice-based crypto”
- 09/2011–06/2015 **Bachelor of Engineering**,  
*College of Computer Science & Technology*,  
Zhejiang University, China.  
Speciality: Computer Science & Technology

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## Scholarships and Awards

- 2018 RTP Stipend, Monash University
- 2018 Monash International Tuition Scholarship (MITS), Monash University
- 02/2016 Information Technology International Merit Scholarship, Monash University

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## Academic Employment

- 06/2017–11/2017 **Casual Academic Research Assistant to Dr Amin Sakzad and Dr Ron Steinfeld**,  
*Faculty of Information Technology*, Monash University.
- Responsibilities:**
- Undertaking research duties in the area of Lattice-based Cryptosystems and its Implementation, as directed by the supervisors.
  - Improving the efficiency of the Titanium, a new lattice-based cryptosystem proposed by the supervisors and their colleagues.
  - Implementing an efficient and timing-attack resistant software implementation of the Titanium.

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## Professional Profile

- Highly developed research qualitative and analytical skills with a strong capacity to conduct independent research
- Proven ability to conceptualise problems and develop well-reasoned and integrated solutions, as demonstrated throughout research employment and Masters research

- Strong programming skills in C and assembly. Working knowledge of Linux and L<sup>A</sup>T<sub>E</sub>X
- Native speaker of Mandarin

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## Publications

Ron Steinfeld, Amin Sakzad, and Raymond Kuo Zhao. Titanium: Post-quantum public-key encryption and KEM algorithms, 2017. Submitted to the NIST Post-Quantum Competition.

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## Extra Curricular Activities – Volunteering

- 07/2016–09/2016 **ASK Me Volunteer**,  
*Monash Student Association (MSA)*, Monash University.
- 09/2016 **Support Crew, Monash MS 24 Hour Mega Swim**,  
*Monash Sport*, Monash University.
- 07/2016 **2016 Monash Games Court Operations Volunteer (Fustal)**,  
*Monash Sport*, Monash University.

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## Interests

Board game (member of Monash Boardgames Society), Japanese culture

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## Referees

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