



## Computer Science Research Discussion Friday, 3 May 2024

The discussion, hosted by King's Fellow Dr Apinan Hasthanasombat, is themed around ethics in Computer Science, broadly interpreted. Talking to graduate students, Ceren, Tina and Alex, whose work touches on AI ethics, privacy, and cyber-criminal forums, the discussion aims to look forward and explore some implications of emerging technology to wider society.



### **Ceren Kocaogullar, KC 2020**

Ceren is a third-year PhD student in Computer Science at the University of Cambridge, under the supervision of Prof Alastair Beresford. Her research integrates cryptography and Privacy Enhancing Technologies (PETs) to build secure and private distributed systems and protocols.

Her projects range from making anonymity networks more accessible for privacy-sensitive users such as whistleblowers, to building secure peer-to-peer networks for IoT devices and smart cities, and using transparency to safeguard data in-use, including in privacy-preserving machine learning applications. Her academic work is complemented by applied research experience through internships at AWS Research, Google Research, and ARM Research.



### **Tina Marjanov, KC 2023**

Tina is a PhD student in Computer Science at the Department of Computer Science and Technology, supervised by prof. Alice Hutchings. Her research focuses on cybercrime, specifically stolen data on illegal underground markets. She wants to understand how stolen data is obtained, how it propagates through the underground networks and what interventions can be put in place to minimise the damage.

Tina completed my BSc in Computer Science from Vrije Universiteit Amsterdam and MSc in Computer Science (Computer Systems Security track) from Vrije Universiteit and University of Amsterdam. Before starting PhD, she was a research assistant at the Cambridge Cybercrime Centre where she was responsible for maintenance and expansion of cybercrime related datasets containing criminal and extremist content collected from a number of forums, telegram and discord channels.



**Alex Provost, KC 2020**

MPhil in Ethics of AI, Data and Algorithms

After completing his BA in Linguistics at King's, Alex began an MPhil in the Ethics of AI, Data and Algorithms based in the Leverhulme Centre for the Future of Intelligence, generously funded by a King's studentship.

Alex's research interests are in the ethics of predictive algorithms in healthcare contexts, the impact of deepfakes on autonomy and identity, and the use of AI in the spread of disinformation.



**Dr Apinan Hasthanasombat, KC 2017 Fellow**

Api is a computer scientist interested in building on research to produce useful software with real-world applications. His research interest is in causality and its applications robust predictive, generative and explanatory models. He has experience working for a small startup, a financial institution, building software for research and a small business.