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### ACCEPTED MANUSCRIPT

# Breaking into the vault: Privacy, security and forensic analysis of Android vault applications

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#### **Biographical Sketch**

Xiaolu Zhang Bio

Xiaolu Zhang received his PhD from the Department of Computer Science and Technology, Jilin University, China. Xiaolu's is interested in cyber forensics and reverse engineering. He is currently a postdoctoral researcher and instructor at the University of New Haven's college of Engineering. He received a state scholarship funded by the Chinese Scholarship Council for his one-year research plan at the University of New Haven. He is currently living in Milford, CT with his wife and one-year old son.

Ibrahim Baggili Bio

Dr. Ibrahim (Abe) Baggili is the Elder Family Endowed Chair in Computer Science at the Tagliatela College of Engineering, Department of Computer & Electrical Engineering and Computer Science at the University of New Haven, CT, specializing in Cyber Forensics/Security. He also serves as the Assistant Dean, and is the founder and co-director of the University of New Haven's Cyber Forensics Research and Education Group (UNHcFREG). Abe is also the former editor-in-chief of the Journal of Digital Forensics, Security and Law (JDFSL). Prior to that, he was the director of the Advanced Cyber Forensics Research Laboratory (ACFRL) in the College of Technological Innovation at Zayed University, Abu Dhabi, UAE. He received his BSc in Network Engineering Technology, his MSc in Technology with emphasis in mobile development and finally his PhD all from Purdue University, USA. His PhD area of study was in information

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