Quoc-Tin Phan

Doctoral Research Fellow
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Education

Nov 2015–Now	**Doctoral Research Fellow**, *University of Trento*, Italy. Areas of Concentration: Multimedia Forensics. Supervisor: Prof. Giulia Boato.
June 2014	**M.Sc. in Computer Science**, *University of Science, VNU-HCM*, Vietnam.. Areas of Concentration: Cryptography, Digital Signal Processing. Thesis: Public key cryptography based on the discrete logarithm problem on a matrix group and its application in searchable encryption. Supervisor: Prof. Dinh-Thuc Nguyen (ndthuc@fit.hcmus.edu.vn). Thesis score: 9.6/10. GPA: 8.04/10.
July 2011	**B.S., Honor Program in Computer Science**, *University of Information Technology, VNU-HCM*, Vietnam. Areas of Concentration: Data communication and Networking. Thesis: Sync data on parallel channels for distance learning. Supervisor: Dr. Hong-Hai Dam-Quang. Thesis score: 9.25/10. GPA: 8.14/10.

Academic & Research experience

May 2011–Oct 2015	**Researcher**, *University of Information Technology, VNU-HCM*, Vietnam. Research activities include: ○ Public-key encryption with keyword search using matrix group. ○ Simulation of common digital modulation techniques: amplitude modulation, frequency modulation, phase shift keying, quadrature amplitude modulation. ○ Distance learning system supporting unicast, multicast, and broadcast connections.
May 2011–Oct 2015	**Teaching assistant**, *University of Information Technology, VNU-HCM*, Vietnam. Courses: Digital Signal Processing, Computer Networking.

Other experience

Nov 2013–April 2014	**Part-time Lead Firmware Engineer**, *Aotea Global Services Limited (AGS)*, HCM, Vietnam. I was responsible for developing firmware to build a system involving electronic devices: Arduino boards, bluetooth, GPS, RF transceivers.

Aug 2010–April 2011	**3D Game Programmer**, *Gameloft Corporation*, HCM, Vietnam. I was responsible for porting 3D games written in C++ to be runnable on Android platform.

Personal skills

Languages	**Vietnamese**, mother tongue. **English**, upper-intermediate.
Computer	**Operating systems & Office suites**, advanced knowledge in Microsoft Office, Windows, and Mac OS. **Programming languages**, good at C++, C#, Visual Basic, Java, Matlab, Python. **Others**, Latex.

References

University of Trento
Italy

- Giulia Boato
  boato@disi.unitn.it

University of Science, VNU-HCM
Vietnam

- Dinh-Thuc Nguyen
  ndthuc@fit.hcmus.edu.vn

Publications

[1] Q. T. Phan, G. Boato, and F. G. B. D. Natale, "Image Clustering by Source Camera via Sparse Representation," in *International Workshop on Multimedia Retrieval (ICMR)*, 2017 (accepted).

[2] Q. T. Phan, A. Budroni, C. Pasquini, and F. G. B. D. Natale, "A Hybrid Approach for Multimedia Use Verification," in *MediaEval*, 2016.

[3] Q. T. Phan, D. T. Dang-Nguyen, G. Boato, and F. G. B. D. Natale, "Face spoofing detection using LDP-TOP," in *IEEE International Conference on Image Processing*, Sept 2016, pp. 404–408.

[4] T. Q. Phan, V. H. Dang, and T. D. Nguyen, "A Novel Construction for PEKS Scheme Using Matrix Group," in *Ubiquitous Information Technologies and Applications*. Springer, 2014, pp. 335–343.