

Tran Duc Muoi

A.K.A MUOI TRAN — PHD STUDENT

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Background

I am a PhD student in Department of Computer Science at National University of Singapore.

My research topics of interest include Applied Cryptography, Cryptocurrency and Network Security.

Education

School of Computing, Singapore National University

PHD IN COMPUTER SCIENCE

Singapore

Fall. 2016 - Present

- Advisor: Dr. Min Suk Kang, Assistant Professor.

University of Engineering and Technology, Vietnam National University

B.S. IN COMPUTER SCIENCE

Hanoi, Vietnam

Fall. 2011 - June. 2015

- GPA: 3.49/4.0, Honor Programme, Highest Distinction.
- Thesis: "Some Improvements for Regular Expression Solving in Z3-Regex".
- Thesis advisor: Associate Professor Hoang Truong.

Work Experience

School of Computing, National University of Singapore

INTERN RESEARCHER

Singapore

Jul. 2015 - Jan. 2016

- Supervisor: Associate Professor Chin Wei Ngan.

School of Computing, National University of Singapore

RESEARCH ASSISTANT

Singapore

Jan. 2016 - Jul. 2016

- Supervisor: Associate Professor Chin Wei Ngan.

Honors & Awards

- | | | |
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| 2015 | Awarded , Honda Y-E-S Award Vietnam (Awarded by Honda Foundation to the best 10 students)) | Vietnam |
| 2015 | Awarded , Best thesis defense, VNU University of Engineering and Technology | Vietnam |
| 2015 | 1st Prize , Student Scientific Research Contest, VNU University of Engineering and Technology | Vietnam |
| 2011 | Awarded , GE Foundation Scholar Leadership (Awarded by GE Foundation to the best 10 students) | Vietnam |

Preprints

Obscuro: A Bitcoin Mixer using Trusted Execution Environments

MUOI TRAN, LOI LUU, MIN SUK KANG, IDDO BENTOV AND PRATEEK SAXENA

Under submission

Oct. 2017

IPAC: Incentivizing Peer-Assisted CDNs for Elastic Web Services

MUOI TRAN, JUNGKI MIN, YAOQI JIA AND MIN SUK KANG

Under submission

Aug. 2017

Poster

Automatic Identification of the Amplifiers in DRDoS attacks

SHIQI SHEN, DELI GONG, MUOI TRAN

The 9th SoC Term Project Showcase

Nov. 2016

Teaching

School of Computing, National University of Singapore

TEACHING ASSISTANT

- CS5231 — System Security
- Worked with Associate Professor Zhenkai Liang.

Singapore

2017

School of Computing, National University of Singapore

TEACHING ASSISTANT

- CS5321 — Network Security
- Worked with Associate Professor Zhenkai Liang.

Singapore

2017

School of Computing, National University of Singapore

TEACHING ASSISTANT

- CS2106 — Introduction to operating systems
- Worked with Dr. Colin Tan.

Singapore

2017

School of Computing, National University of Singapore

TEACHING ASSISTANT

- CS2104 — Programming language concepts.
- Worked with Associate Professor Chin Wei Ngan.

Singapore

2016

Extracurricular Activity

Conference external reviewer WISA'17 (1 paper), VMCAI'17 (1 paper), ACM OOPSLA'16 (1 paper).

References

Dr. Min Suk Kang (advisor)

ASSISTANT PROFESSOR

- School of Computing, National University of Singapore
- Email: kangms@comp.nus.edu.sg

Dr. Prateek Saxena (collaborator)

ASSISTANT PROFESSOR

- School of Computing, National University of Singapore
- Email: prateeks@comp.nus.edu.sg