

Department of Computer Science
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Umar Iqbal

Research Interests

Online Advertising; Security; Privacy; Usability.

Education

2016–present **Ph.D. in Computer Science**

Advisor: Prof. Zubair Shafiq
Department of Computer Science, The University of Iowa.

2009–2013 **B.S. in Computer Science**

National University of Computer & Emerging Sciences (NUCES), Pakistan.

Publications

IMC **The Ad Wars: Retrospective Measurement and Analysis of Anti-Adblock Filter Lists**

Umar Iqbal, Zubair Shafiq, Zhiyun Qian
ACM Internet Measurement Conference, London, 2017
Acceptance rate: 42/179=23.5%

DSN **Malware Slums: Measurement and Analysis of Malware on Traffic Exchanges**

Salman Yousaf, Umar Iqbal, Shehroze Farooqi, Raza Ahmad, Zubair Shafiq, Fareed Zaffar
IEEE/IFIP International Conference on Dependable Systems and Networks, France, 2016
Acceptance rate: 58/259 =22.4%

Professional Experience

2016–present **Research Assistant**

Advisor: Prof. Zubair Shafiq, Internet Research Lab
The University of Iowa, IA, USA.

2017 **Program Manager Intern**

Microsoft Corporation
Redmond, WA, USA.

2016 **Research Assistant**

Advisor: Prof. Fareed Zafar, Systems and Security Group
Lahore University of Management Sciences, Lahore, Pakistan.

2013–2016 **Solution Analyst**

LMKT Corporation
Islamabad, Pakistan.

Professional Projects

RAFM - Revenue Assurance and Fraud management

The system provides near real time data analytics to monitor revenue and fraud critical situations. It was developed for PTCL (Pakistan Telecommunication Company Limited) and it processed over one billion CDR's and almost 50+ GBs of data on daily basis along with the correlation of six different protocols.

V- Govern

V-Govern is a product of LMKT that provides solutions for E-Governance. My work was to provide search capability to the application, task was achieved using Apache Lucene. Different similarity models were used and relevance feedback was also incorporated.

PTCL Smartlink

An Android application based on SIP and XMPP protocols that works as a calling and IM solution (Same as Viber and Skype). Product is packaged for PTCL – Pakistan Telecommunication Company Limited.

Honors & Awards

- 2017 **ACM Internet Measurement Conference Student Grant**
- 2016 **IEEE Conference on Communications and Network Security Student Grant**
- 2016 **USENIX Security Symposium Student Grant**
- 2016 **Winner PeaceTech Exchange**
- 2013 **Dean's List of Honor**
- 2012 **Dean's List of Honor**

Services

- Program **Shadow Program Committee Member**
Committee ACM Internet Measurement Conference, 2017.

Skills & Expertise

Programming Languages, *Python, Java, JavaScript, C#, SQL, Matlab.*
Mobile Development, *Android, Windows Phone, Phonegap.*

References

Prof. Zubair Shafiq

Assistant Professor, Department of Computer Science, The University of Iowa.
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John Hazen

Principal Program Manager, Microsoft Corporation.
john.hazen@microsoft.com

Prof. Fareed Zaffar

Assistant Professor, Department of Computer Science, Lahore University of Management Sciences, Pakistan.
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