Morteza Shoushtari

Graduate Research Assistant

✉ shoushtari.morteza@live.com
📱 +1 (408) 752-1087
🌐 www.mshoushtari.com
in linkedin.com/in/morteza-shoushtari

SUMMARY

I am a Ph.D. candidate in the department of Electrical and Computer Engineering (ECE), at Brigham Young University. Currently, I am working on physical layer security, and secure error-correction coding. I received an M.Sc. degree in Information Technology from Shiraz University, Iran, in 2013, and I have around 6 years of work experience as an IT administrator and network engineer in big companies such as Huawei Technologies Co. and JYAN Construction Co.

RESEARCH INTERESTS

- Computer Networks
- Cloud Computing
- Physical Layer Security
- Secrecy/Error-Correction Coding

EDUCATION

Ph.D., Computer Engineering
Dissertation topic: Secure Error-Correction Coding
Brigham Young University, Utah, USA
- Years: 2019 - 2023 (expected)
- GPA: 3.74/4

M.Sc., Information Technology (IT)
Shiraz University, Shiraz, IRAN
- Years: 2011 - 2013

B.Sc., Computer Engineering
Sadjad University of Technology, Mashhad, IRAN
- Years: 2006 - 2010

PUBLICATION

- Morteza Shoushtari, Farah Arabian and Willie Harrison, "Post-Quantum Cryptography Based on Codes: A Game Changer for Secrecy in Aeronautical Mobile Telemetry" in Proceedings of the International Telemetry Conference (ITC), Las Vegas, NV, US, Oct. 2022.
- Morteza Shoushtari and Willie Harrison, "Secrecy coding in the Integrated Network Enhanced Telemetry (iNET)" in Proceedings of the International Telemetry Conference (ITC), Las Vegas, NV, US, Oct. 2021.
- Morteza Shoushtari and Willie Harrison, "New Dual Relationships for Error-Correcting Wiretap Codes" in Proceedings of IEEE Information Theory Workshop (ITW), Kanazawa, Japan, Oct. 2021.
- Willie Harrison and Morteza Shoushtari, "On Caching with Finite Blocklength Coding for Secrecy over the Binary Erasure Wiretap Channel" in Proceedings of IEEE Wireless Telecommunications Symposium (WTS), San Francisco, US, Apr. 2021.

WORK EXPERIENCES

Brigham Young University, UTAH, USA   **Jan 2019 - present**
Graduate Research Assistant
- RA with the emphasize on physical layer security and secrecy/error-correction codes

IT Dep. HUAWEI Company, Tehran, Iran   **Aug 2016 - Aug 2017**
IT Administrator
- Maintained communication networks, monitor network performance, and resolving any technical issues
- Provided 24*7 level-one support to over 850 clients
- Installed and configured network devices, including routers, switches, wireless AP's, cameras, and video conferences

IT Dep. JYAN Company, Tehran, Iran   **Jan 2016 - Aug 2016**
Network Engineer
- Maintained communication networks, monitored network performance, and resolved any technical issues
- Provided 24*7 level-one support over 180 clients
- Installed and configured network devices, including routers, switches, wireless AP's, camera's, and video conferences

IT Dep. Persia Cloud Company, Tehran, Iran   **Jun 2015 - Jan 2016**
Network Engineer
- Installed and configured 2X and IIRAS cloud platforms (IIAS, PAAS)
- Installed and configured Microsoft Servers (CRM, SharePoint, Lync)

IT Dep. LOTUS Company, Tehran, Iran   **Nov 2013 - Jun 2015**
Website Developer
- Programmed and maintained company's website (lotuslaptop.com)

IT Dep. KARMA Engineering Company, Iran   **Nov 2011 - Nov 2013**
Technical Support
- Maintained communication networks and resolved any technical issues
- Provided 24*7 level-one support to over 50 clients

MEMBERS AND HONORS
- Best paper award, International Telemetry Conference, 2022.
- Second best graduate student paper award, International Telemetry Conference, 2021.
- Member of IEEE Communication Society (ComSoc).
- Member of IEEE Communication Society (ComSoc).
- Member of IEEE Information Theory Society (ITSoc).
- Member of IEEE Electrical and Computer Engineering Honor Society, Eta Kappa Nu.
- Outstanding IT engineer in Huawei Technologies Company, 2017.
- Monthly star engineer in JYANE Company, 2016.

CERTIFICATES AND SKILLS
- IT Certificates:
  o CompTIA A+ and Network+
  o CCNA (Cisco Certified Network Associate)
  o MCITP (Microsoft Certified IT Professional)
  o HCNA (Huawei Certified Network Associate)
- Skills in computer networks:
  o Install and configure network devices (Switch, routers, ...) and network troubleshooting
  o Install and configure virtual networks with VMware ESX, VCenter
  o Knowledge in Cloud Computing Architecture such as AWS, 2x (Parallels)
- Technical knowledge :
  o Programming Language: C/C++/Python/Matlab
  o Operating Systems: Microsoft Windows Client-Server/Linux
  o Software development methodology: Scrum/RUP