M Usman Maqbool **Bhutta**

PhD candidate · Department of Electronic and Computer Engineering

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"Do it with passion or not at all."

Summary

Current co-founder of a start-up company Lisee Technology Corporation. 5+ years experience specializing in project management for research and development, web development and marketing at Friends Corporate Technologies. I have been a part of some other startups related to real estate, marketing, and automation. A super nerd who loves entrepreneurship, deep learning, and enjoys to develop the idea to reality. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises..

Education

The Hong Kong University of Science and Technology - HKUST *(Kowloon, Hong Kong)*

Ph.D. Candidate, Department of Electronic & Computer Engineering *Sep. 2016 - Present*

- Got PEEF Pakistan scholarship to pursuing my studies
- Research interests; Multi-Agent SLAM System and autonomous car driving

Quaid-i-Azam University - QAU *Islamabad, Pakistan*

M.Phil. Electronics, Department of Electronics *Mar. 2010 - Jun. 2012*

- Research: Signal and Image Processing
- Grade: 1st Division (80% Marks)

Quaid-i-Azam University - QAU *Islamabad, Pakistan*

M.Sc. Electronics, Department of Electronics *Mar. 2010 - Jun. 2012*

- 2nd position in batch
- Grade: 1 st Division (74.6% marks)

Bahauddin Zakariya University - BZU *Multan, Pakistan*

B.Sc. in Mathematics and Physics *Mar. 2010 - Jun. 2012*

- Grade: 1st Division

Research Publications

PCR-Pro: 3D Sparse and Different Scale Point Clouds Registration and Robust Estimation of Information Matrix For Pose Graph SLAM *Conference Paper*

Bhutta, M. Usman Maqbool, Ming Liu *Jul 2018*

Presented in IEEE Int. Conf. on CYBER Technology in Automation, Control, and Intelligent Systems, and won **Best Student Paper Finalist Award.**

An intelligent approach for robust detection and recognition of multiple color and font styles automobiles license plates: A feature-based algorithm *Conference Paper*

Bhutta, M. Usman Maqbool, Hasan Mahmood, and Haroon Malik *Jul 2014*

Published in IEEE International Conference on Audio, Language and Image Processing (ICALIP).

Efficient Reset Design Techniques *Journal Paper*

Qamar, Zoha, Bushra Yaseen, and Usman Maqbool *2015*

Published in Science International Lahore

Work Experience

Industry

Friends Corporate Technologies *Islamabad, PK*

CEO *Feb 2013 - Aug 2015*

50+ Projects | Electronics/ Electrical Engineering, R&D, image processing, Web Applications Development, MVC Applications

Federal Government of Pakistan   *Islamabad, PK*
Scientific Officer   *May 2012 - Feb 2013*
   Electronics/ Electrical Engineering, R&D, image processing

Server4Sale, LLC   *Islamabad, PK*
PHP Developer   *Dec 2009 - Mar 2010*
   Php web application development for Joomla and Zend frameworks.

Academic

Department of Computer Science   *BZU sub campus Sahiwal, PK*
Lecturer (Visiting)   *Feb 2016 - Jun 2016*
   Teaching MCS and BS-CS courses

Department of Physics   *Government PG College Sahiwal, PK*
CTI   *Aug. 2014 - Apr. 2016*
   Teaching BS physics (Electronics related courses + Labs + Projects)

Academic Activities

2018	**Referee Service**, IEEE/RSJ International Conference on Intelligent Robots and Systems	*IROS 2018*
S 2018	**Teaching Assistant**, EESM 5547 - Multimedia Signal Processing	*HKUST, HK*
S 2017	**Teaching Assistant**, ELEC 1010 - Electronic and Information Technology	*HKUST, HK*

Honors & Awards

International

July, 2018	**Best Student Paper Finalist Award**, IEEE Int. Conf. on CYBER Technology in Automation, Control, and Intelligent Systems	*Tianjin, China*
May, 2018	**Best Proposal Audience Award**, Campus Challenge - Transportation, HKUST	*HKUST, HK*
Nov, 2017	**Best Mapper Award**, Robotics and Multi-Perception Lab, HKUST	*Shenzhen, China*
May, 2017	**Completion Award**, The Graduate Teaching Assistant Training, HKUST	*HKUST, HK*
Dec, 2016	**Best External Award**, Robotics and Multi-Perception Lab, HKUST	*Shenzhen, China*
Nov, 2016	**Completion Award**, Author Workshop, Elsevier Publishing Campus	*HKUST, HK*

Domestic

Sep 2013	**Participant,** Painting for peace (Pakistan-India-Afghanistan) event, a part of the Harmony initiative	*Islamabad, PK*
Apr 2013	**Participant,** Case Spark in business plan competition	*Islamabad, PK*
Apr 2013	**Participant,** Case EPICA	*Islamabad, PK*
Apr 2013	**Participant,** How to be a Better Playwright Workshop by PNCA and US Embassay Pakistan	*Islamabad, PK*
Oct 2012	**Participant,** Punjab Youth Festival	*Lahore, PK*
Oct 2011	**Participant,** Int'l Youth Conference and Festival	*Islamabad, PK*
Sep 2011	**Participant,** Asian Youth Conference and Peace Festival	*Lahore, PK*
Apr 2011	**Completion Award,** Acting and Directing Theater Workshop by PNCA and US Embassay Pakistan	*Islamabad, PK*
Dec 2011	**Participant,** National Drama Festival	*Islamabad, PK*
Dec 2010	**Instuctor of short Course,** PHP Web Development' at the Department of Electronics, QAU	*Islamabad, PK*
Apr 2013	**Completion Award,** Running River Rafting course by Adventure Foundation of Pakistan	*Mansehra, PK*
Apr 2013	**Completion Award,** Paragliding course by QAU Adventure Club	*Islamabad, PK*
Dec 2008	**Award of Honor,** Finance Secretary of Electronics Student Society (ESS) at QAU	*Islamabad, PK*