



# Muhammad Anas Imtiaz

Ph.D. Candidate, Research Assistant at Boston University


To utilize acquired skills and knowledge in relevant areas of competence and to play a part in the organization's growth while achieving job satisfaction and professional growth

anasimt@gmail.com 

+1 (617) 371 7268 

Allston MA, USA 

anasimtiaaz.pk 

linkedin.com/in/maimtiaaz 

## WORK EXPERIENCE

### Research Assistant Boston University

09/2017 – Present

Boston, USA

Research

- Current research looks into presence and effects of churn in the Bitcoin network

### Senior Software Development Engineer Mentor Graphics

08/2016 – 07/2017

Lahore, Pakistan

Tasks

- Worked on the AUTomotive Open System ARchitecture (AUTOSAR) MicroController Abstraction Layer (MCAL) development and testing for the Input Control Unit (ICU) MCAL
- Worked on ICU's configurations and helped with ICU's configuration generator development and testing
- Helped with migration from Mercurial to Git

### Software Development Engineer Mentor Graphics

12/2014 – 07/2016

Lahore, Pakistan

Tasks

- Worked on Mentor's Volcano Target Package (VTP) and Lin Target Package (LTP) development and testing
- Responsible for upgrading and maintaining Controller Area Network (CAN) and Local Interconnect Network (LIN) network protocol stacks for various microcontroller architectures
- Worked on AUTOSAR's Diagnostic Over IP module test enhancement, development, code coverage analysis
- Automated tasks such as building tests, working with SoruceGear Vault etc. with the help of various Windows Batch, UNIX shell and Python scripting languages
- Experience with using multiple debugging environments such as Lauterbach, Renesas' CubeSuite+, NXP's CodeWarrior, TI's Code Composer Studios and more

## EDUCATION

### Ph.D. Computer Engineering Boston University

09/2017 – Present

Boston, USA

Relevant Courses

- Computer Communication Networks, Cybersecurity, Advanced Cybersecurity, IoT Security

### B.Sc. Electrical Engineering

National University of Computer & Emerging Sciences

08/2010 – 08/2014

(GPA: 3.74/4.00) Lahore, Pakistan

Final Year Project

- Glove interface to sense hand gestures for sign-language vocalization & control of robotic hand
- Designed specifically for deaf/mute people; detects motion of human hand when worn and converts sign language to audio

## SKILLS

Analytical Adaptable Quick learner

Responsible Time management

Efficient Programming languages

Multi-tasking Communication

## ACHIEVEMENTS

Graduated with silver medal and Cum Laude; Name in the Dean's list for all 8 semesters (08/2014)

## PUBLICATIONS

Churn in the Bitcoin Network: Characterization and Impact [Accepted] (05/2019)

*International Conference on Blockchain and Cryptocurrency*

Adaptive Collaborative Position Control of a Tendon-Driven Robotic Finger (06/2018)

*Journal of Control Engineering and Applied Informatics*

Attitude Control and Stabilization of a Two-Wheeled Self-Balancing Robot (10/2015)

*Journal of Control Engineering and Applied Informatics*

Performance Optimization of a Flex Sensor Based Glove for Hand Gestures Recognition and Translation (05/2014)

*International Journal of Engineering Research & Technology*

## LANGUAGES

Urdu



English



Punjabi



## INTERESTS

Technical articles Reading Travelling

Photography Pizza