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

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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*

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

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