Bilal Parvez

bilalparvez@outlook.com | LinkedIn:// bilalparvez

EDUCATION

KTH
M.Sc in ICT INNOVATION
June 2017 | Stockholm, SWE
Major: Embedded Systems
Minor: Innovation and Entrepreneurship

TU BERLIN
M.Sc in ICT INNOVATION
1st Year | July 2016 | Berlin, GER
Major: Embedded Systems
Minor: Innovation and Entrepreneurship

IOBM
MBA in TELECOMM. MANAGEMENT
Grad. Aug 2015 | Karachi, PAK
Major: Comm. systems Management
Minor: Finance

NUCES
B.SC in TELECOMM. ENG.
Grad. Aug 2012 | Karachi, PAK
Communication Systems and Networks

COURSEWORK

GRADUATE
Embedded System Security
Embedded Operating Systems
Ad-Hoc and Sensor Networks
Compiler + Comp. Arch.
Finance + General Management
Business Ideation
Design thinking

UNDERGRADUATE
Signals and Systems
Wave Propagation and Antenna Theory
Internet Tech. and Architecture
Functional Programming
Communication Technologies

CURRENT INTERESTS

WOULD LOVE TO WORK ON
• Low level RISC-V
• Embedded Edge computing
• Machine learning on embedded devices

EXPERIENCE

VECTOR INFORMATIK | SOFTWARE DEVELOPMENT ENGINEER
Oct 2017 – Present | Stuttgart, GER
Embedded software developer in the MICROSAR (Autosar Os) and Base Environment Team.

• Supporting new ARM(ARMv6/ARMv7/ARMv8) architectures
• Customer support and delivery management
• Designing the Hardware abstraction Layer

PROGLOVE | EMBEDDED SOFTWARE INTERN
Jan 2017 - Aug 2017 | Munich, GER
Implemented a IO/NIO bidirectional communication feature resulting in added customer value.

• Writing kernel drivers for the RTOS.
• Porting legacy code base to the RTOS.

SSGC | ENGINEER OPERATIONS
Feb 2013 – Sep 2015 | Sindh, PAK
Ensured Departmental KPI's for voice communication by usage analysis , preventive maintenance and deployment of new equipment.

• Designed and deployed on-field and metro communication system solutions
• Part of the Supervisory Control and Data Acquisition team.

PROJECTS

PROGLOVE | MASTER THESIS
April 2017 – Sep 2017 | Munich, GER
Machine Learning on Embedded devices for Image classification in Industrial Internet of things.

STILLA INC. | STUDENT RESEARCHER
Jan 2017 – May 2017 | Stockholm, SWE
Researched a new technology use case for the smart home market, using already deployed infrastructure.

DREAMWORLS RESORTS | PROJECT MANAGER
Jan 2012 – Jun 2012 | Karachi, PAK
Lead the team and worked to create a 'Wireless Energy Management' solution for the water management system of the resort. As part of my 'Final Year Project' developed the hardware and software from ground up , deployed and tested the solution at the resort and got a customer satisfaction certificate in the end.

TU BERLIN | STUDENT PROJECT
Mar 2016 – June 2016 | Berlin, GER
Worked as part of a team to create a Tandem driving RC car working on 802.11 and using a mixture of on board and remote sensors to navigate.

INTERESTS PARAGLIDING, Adventure Sports, Music