JASSIM ABDUL GAFOOR

WORK EXPERIENCE

Co-op Student | *TELUS Vancouver*   July 2019 – April 2020
- Planned migration of 3000 SharePoint documents to new Confluence platform
- Trained engineers and technicians how to navigate the new library effectively
- Implemented search and creation tools for database based on users' feedback
- Leveraged existing tools to build features to maintain library content
- Created new features and worked with back-end developers for implementation

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA   Expected Graduation May 2021
Bachelor of Applied Science Integrated Engineering

- Focus on Microelectromechanical systems, Semiconductor lasers, Digital VLSI systems.
- Major in Electrical Engineering, Minor in Computer Engineering

PROJECTS

Chip Layout 45nm architecture| Cadence, SystemVerilog
- Programmed a Finite State Machine module to control a user-driven lighting system
- Created layout of integrated circuit using Cadence Virtuoso toolkit
- Inspected the input and output waveforms in Cadence Analog Design Environment to ensure correct operation

MEMS Gyroscope Project | AutoDesk Inventor, Solidworks, Clewin
- Designed a Micro-Electro-Mechanical Systems Gyroscope with CAD
- Generated mask layouts for SOI-MUMPS process for my design
- Tested gyroscope sensitivity utilizing Finite Element Analysis on Autodesk Inventor
- Modelled energy and information flow diagrams for gyroscope using Simulink and Simscape

EXTRACURRICULAR

Landing Gear Sub-Team Member | UBC Aerodesign   October 2016 - April 2017
- 3rd in SAE Aero Design 2017

Robotics Team Lead| Doha College Robotics   October 2012 – December 2015
- 1st NRO Qatar 2012 Open Category
- 2nd Botball 2014

MOBILE

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LINKEDIN

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WEBSITE

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SOFTWARE
- Altium Designer
- Cadence
- Adobe Photoshop
- MATLAB
- SolidWorks

PROGRAMMING
- Python
- C++
- SystemVerilog HDL
- Assembly

HARDWARE
- Altera FPGA
- Raspberry Pi
- Arduino
- Decawave UWB

INTERESTS

Electronics hobbyist who builds computers and servers. Avid sports enthusiast who plays volleyball and badminton.