Jassim Abdul Gafoor

Personal Info

Address

13750 100 Ave

Surrey, BC, Canada

V3T 5E2

Phone

+12368684445

+97455929557

E-mail

jgafooruni@gmail.com

Linkedin

linkedin.com/in/jassimga4/

Programming Languages

C++

SystemVerilog HDL

Assembly

HTML/CSS

Python

Membership

IEEE – *Institute of Electrical and Electronics Engineers*

EGBC – *Engineers and Geoscientists of British Columbia*

Languages

English - Native

Tamil - Intermediate

Arabic - Beginner

Completed ***Integrated Engineering*** with 4 years education and an additional 10 months work experience (Co-op). I am a quick learner and will apply my extensive knowledge to solve challenging problems in a creative manner.

Education

2016 Aug - 2021 May **UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC, Canada**
Bachelor of Applied Science | *Integrated Engineering*

Experience

2019 Jul - 2020 Apr **TELUS Vancouver, Canada** *(A leading telecommunication provider)*
Co-op Student | *HTML/CSS, Confluence, Jira*

- Handled the data migration project of 3000+ documents from MS SharePoint to Confluence platform
- Gathered various business requirements from end-users and consolidated as technical requirements for the development team
- Utilized the dormant Enterprise Bridge software to migrate less complex data (9000+) from MS SharePoint
- Performed QA/QC of developed environment
- Standardized the processes and procedures to ensure data integrity and created required templates

Projects

2021 May **Composition and Rendering|** *Blender*

- Modelled various 3D objects in blender to create a composition
- Rendered scenes and video with ultra-realistic ray traced rendering engine

2021 Feb **Clock Buffer Design |** *Cadence Virtuoso and MATLAB*

- Designed signal buffer layout to minimize clock skew between different domains
- Modelled delay and fanout of 4 different stages to meet rise/fall timing requirements

2021 Jan **Bragg interferometer|** *KLayout, Lumerical Interconnect, MATLAB, and Python*

- Calculated Transfer Matrix Model in MATLAB to simulate design
- Used KLayout to fabricate in silicon foundry and tested in lab

2020 Dec **Chip Layout 45nm architecture|** *Cadence and SystemVerilog*

- Synthesized a Finite State Machine module to control a user-driven lighting system
- Created CMOS layout of integrated circuit using Cadence Virtuoso toolkit

2019 Jan **Simple iPod|** *SystemVerilog, Assembly and C*

- Built a basic iPod with music playing and volume controls in an FPGA
- Devised flash controller module for reading files from flash

2018 Jan **MEMS Gyroscope Project |** *AutoDesk Inventor, Solidworks and Clewin*

- Designed a Micro Gyroscope (0.2mmx0.2mm)
- Generated mask layouts in Clewin for fabrication with SOI-MUMPS process

2017 Apr **Marketing Infographics for UBC Clubs |** *Adobe Photoshop*

- Designed various posters and infographics for Paper Invention Club
- Created sponsorship package and logo for UBC Thunderbikes team