Jassim Abdul Gafoor

(236) 868-4445 | jgafooruni@gmail.com | Canadian Open Work Permit Holder | **LinkedIn** | **Personal Site**

PERSONAL PROFILE

Looking for a challenging role to apply my design and fabrication skills . I am an adaptable result-oriented person with good attention to detail in all my assignments. Fast-learner who can quickly take on new responsibilities and achieve desired results. Registered EIT.

EDUCATION

MIT Professional Education *Online*
Applied Data Science Program *Jan 2023 - Present*

University of British Columbia *Vancouver, Canada*
Bachelor of Applied Science, Integrated Engineering (3.0 GPA) *Aug 2016 – May 2021*
Major in Electrical Engineering, Minor in Computer Engineering. Integrated Engineering Mentor.

EXPERIENCE

B-Wave Start Up *Doha, Qatar*
Product Designer *February 2022 – June 2022*
- Developed personal listening device for live commentary in football stadiums
- Pitched start-up idea to potential investors in Qatar Business Incubation Hackathon and won 8000 CAD grant
- Spearheaded user-research and usability testing for our minimum viable product (MVP)
- Created B-Wave company logo and launched website landing page/call-to action

TELUS *Vancouver, Canada*
JIRA Administrator *July 2019 – April 2020*
- Overhauled 3000+ documents database with JIRA Confluence platform
- Trained engineers to utilize the new platform and document templates to enhance document creation output
- Automated data migration task to improve document transfer rate by 60%
- Standardized procedures and implemented tags for engineering documents to increase accessibility
- Improvised and revitalized the 10000 CAD Enterprise Bridge software to migrate 9000 items instantly saving man-hours

ACTIVITIES & PROJECTS

Virtual Rubik's Cube *October 2022 - Present*
- Utilized Unity3d, Figma and C# programming to create a virtual 3x3 Rubik's cube
- Developed user interface design to interact with the cube using dual shock 4 controller

Smart Skin (Workout Tracking Device) *October 2020 - August 2021*
- Manufactured 8 modules for housing ultra-wideband sensors in a small wearable form-factor using 3D printer
- Mapped data from sensors and plotted using MATLAB for real-time tracking of body limb position

CMOS Clock Tree Integrated Circuit – UBC ELEC 403 Advanced VLSI Design *February 2021*
- Designed circuit layout for a clock driver in Cadence Virtuoso to minimize clock skew between different clock domains
- Modelled delay and fanout of 4 inverter chains to meet delay and rise/fall timing requirements

Chip Layout 45nm architecture – UBC ELEC 402 Introduction to VLSI Systems *October 2020*
- Synthesized a State Machine using SystemVerilog to control an LED lighting system and generated RTL netlist
- Performed Design Rule Check and Layout Versus Schematic using Calibre, Tcl to ensure design functionality
- Completed Place and Route using Cadence Encounter to generate Graphic Data Stream file for fabrication

High School Robotics – Botball, National Robot Olympiad *September 2012 – May 2016*
- Engineered robots using LEGO Mindstorms for specific challenges and won accolades in international competitions
- Coordinated and collaborated with teams of 3-10 to consistently participate in multiple national robotics events

SKILLS & INTERESTS

- **Technical:** Microsoft Office, Cadence Virtuoso, Machine Shop, Solidworks CAD, Unity3d, Adobe Photoshop, and Figma
- **Programming:** C#, Python, SystemVerilog, Assembly, and C
- **Personal:** Interpersonal, research, punctual, leadership, collaborative, systematic, organization, efficient communication, stress management, problem-solving, and critical thinking
- **Interests:** IEEE, Mentoring, volleyball, biking, PC gaming