1st August 2022

Mushahid Khan

Lead Talent Acquisition Advisor,

AlphaWave IP Group,

70 University Ave, 10th Floor,

Toronto, ON M5J2M4

RE: DFT Engineer Position

Dear Mushahid:

I was excited to find this job posting about the DFT engineer (20228) position by AlphaWave IP Group on LinkedIn. I would love to work for a reputed company such as AlphaWave. Besides, I am passionate about Design for Test and like to fiddle and experiment with DFT Scan insertion techniques while looking for new ideas. I believe that I will be able to greatly contribute to the company due to my inquisitiveness and curiosity.

During my previous employment at Cadence, I carried out DFT scan insertion and ATPG pattern generation using automation through scripting for several large designs from companies including TI, IBM, GF, and TSMC with millions of gates and flops as part of my task for feature testing. Due to my scripting skills, I was able to improve the turn time and always met deadlines. This automation process also involved performing RTL and gate-level simulations as well as debugging designs using waveforms. I have strong fundamentals in digital IC manufacturing principles evident by the fact that I have finished several courses, carried out DFT scan insertion and ATPG pattern generation hands-on, and received certifications for it. I received the opportunity to work as a MITACS research intern at Aarish Technologies on Physical Design (PD) involving placement-driven synthesis and PNR flows where I worked online independently owing to COVID. This role involved teamwork in an online environment where I used my communication skills to effectively convey my ideas to complete the work on time.

Thank you for your consideration of my application. I am eagerly looking forward to an interview to share my relevant skills and expertise with you. I am willing to relocate to Toronto and I am flexible with my work hours. With my experience in DFT and programming, I am confident that I would be a perfect fit for the job. I can be reached at 226-759-8323 or [sharma88@uwindsor.ca](mailto:sharma88@uwindsor.ca).

Text

Description automatically generatedSincerely,

(Mohit Sharma)