15375 Lakeside Village Drive

Clinton Township, MI, 48038

February 25, 2020

Hiring Manager

Viasat, Inc

Dear Hiring Manager,

I am interested in applying for the Hardware Engineer University Grad - Digital/Programmable Logic Ref #3370-71 positions in Atlanta, GA. With my knowledge of digital design, embedded systems, and previous work experience at General Motors, I believe I can excel as an engineer for Viasat.

In the past three and half years since I graduated, I have been working as an Engineer at General Motors in Warren, Michigan. As part of the rotational program I worked in Infotainment Software Development, Joint Venture Electrical Architecture, and now I am currently in the Automated Driving space. Every position I have been in has helped me advance and refine my software engineering, organizational, as well as documentation and presentation skills. Even though I do not have much experience with digital logic in my recent work experience, I am diligent, detail-oriented, and eager to develop my skills further. I am pursuing this particular position as I am looking for a slight career shift in work topics and location.

I have gained my digital design skills mainly at Georgia Tech in my Computer Engineering coursework. A particular highlight for me was Digital Design Laboratory. I got my first experience to work with a group of students on a digital design and programming project, a final presentation, and multiple technical reports. We were tasked with designing a simple computer via assembly, logic gates, and VHDL to program an FPGA to successfully navigate an obstacle course. The team chose to utilize IR signals and convert them into movement commands for the robot. Throughout the project the team pursued the perfection of robot’s navigation and response time. We were able to find an un-intentional error in the source code, which solved a repeated command problem for several teams. Our pursuit of precision in programming resulted in us achieving a time of 26 seconds to navigation an obstacle course; the third best time out of over 20 teams.

After you review my resume for additional details on my qualifications and experience, I will be happy to answer any questions you may have. I look forward to hearing from you to discuss how my skills and experience can benefit Viasat.

Thank you for your time.

Sincerely,

Pratik Gangwani