

SHIMABUKO Guilherme

Digital Design and
Verification Engineer



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Subject: Application for the Digital Design and Verification Engineer job opening.

Recently graduated as an Electrical Engineer, I have a strong interest in Electronics and Computer Systems and I take a special interest in Digital Electronics, a field in which I am currently taking classes towards a Graduate Certificate at the University of Colorado - Boulder, which is why I was elated to hear of this opportunity. I am positive that my experiences as an undergraduate intern and now as a research assistant will meet your expectations for this post.

During my time at the university, I looked for every opportunity to gain more knowledge and experience in both management and technical fields. As a member of the Junior Enterprise, I had the chance to learn a lot about project management and team work, skills that I carried into every post I occupied since. The Junior Enterprise was also where I received a referral for my first R&D internship at a University Laboratory to develop electronic prototypes for Technology and Arts exhibits. While the main focus of my advisor at this job was purely artistic, this project grew into a larger system, which later became my graduation dissertation. This first internship turned into other opportunities at two other laboratories, as well as an internship at a small Integrated Circuits Design firm (DFChip), where I learned the foundation of Digital Integrated Circuits and FPGA design that allowed me to get to where I am today.

My last internship was as an undergraduate research assistant working for a public-private partnership between a Brazilian Federal University and a Multinational company in the development of a new technological product. I was responsible for assembling, training and managing an IC design team which would verify and validate the FPGA Prototype designs and then turn them into IC designs for the final product. This experience, as well as my experience at DFChip were both heavily focused on simulation, validation and testing. After I graduated, I was hired as an independent contractor to continue the work I was doing as an intern. I was the IC design leader for this project for a little over a year and a half. Out of that time, I worked 30 hours a week for the first year, and full time for the past six months.

As the project I am currently working on is coming to an end due to the COVID-19 pandemic, I am currently looking for a new opportunity to develop as an Engineer and to keep funding my studies, and I believe this post would be a perfect match for my personal and professional interests and abilities. I would be thrilled to be considered for a position at such a highly regarded company in my field and I hope to be able to demonstrate my potential to you all.

Best regards,
Guilherme Shimabuko