

JULIAN AWAD

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Dr. Vahid Fallah
Nicol Hall 305A,
Queen's University
Kingston, ON
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Dear Dr. Fallah,

My name is Julian Awad, and I am in my 2nd year of Engineering Physics, Mechanical Option. I would like to apply for the position of Process Control Engineer to work alongside your research team. Additive manufacturing technologies have interested me for a very long time, and it is inevitable that this technology will fundamentally alter the way manufacturing is approached in many industries. Given my extensive experience with desktop FDM technologies, working on a project such as yours is an incredible opportunity to participate in advancing these technologies. I am passionate about this field of research, and I am confident that my experience and skills will make me the ideal candidate for this position.

I have over 5 years of experience working with various FDM 3D printers, and have a deep understanding of the entire process, from CAD, to slicer software, to each component of the printer. I have developed this knowledge through the creation of my startup company PolyTwist Designs, centered around designing and manufacturing 3D-printed Rubik's Cube puzzles (www.polytwist.xyz). In addition to 3D-printing, I have a wide array of skills relevant to this position, acquired through my academic curriculum as well as independently through personal projects. These skills include notably Mechanical Design with SolidWorks, LabVIEW, MATLAB, C, and Python, electrical circuit theory, and an understanding of quantum phenomena and their applications. Furthermore, I have completed an internship with the Department of National Defense where I was responsible for compiling requirements for a purchase description based on multiple military bases' requirements in both English and French. The skills used for this job are analogous to many of the tasks constituting this position, and I am confident these skills will transfer seamlessly, should I be hired.

Overall, I believe I am an ideal candidate for the position of research assistant for the reasons presented above. I am a passionate, hard-working, and driven team player and it is my belief that these qualities paired with my skills would make me ideal for the job. I thank you for your consideration, and eagerly look forward to hearing from you.

Sincerely yours,

Julian Awad