

# JULIAN AWAD

574-6 Princess Street  
Kingston, ON, K7L 1C9  
julian.awad@queensu.ca  
(613) 806-2681

Dr. Vahid Fallah  
Nicol Hall 305A,  
Queen's University  
Kingston, ON  
K7L 2N8

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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, especially its applications in the Aerospace industry. Given my extensive experience with desktop Fusion Depositing Modeling (FDM) technologies, working on a project such as yours is an incredible opportunity to get hands-on experience in the field. 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](http://www.polytwist.xyz)). Through this experience, I developed technical skills and soft skills alike, such as leadership, initiative, and hard work.

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. Such projects include my start-up PolyTwist Designs, and building an intelligent To-Do list with Python and the GCal API, to name a few. The skills I developed 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 completed an internship with the Department of National Defense where I was responsible for collecting Technical requirements of Armoured Patrol Vehicles from various military bases across Canada. I documented these requirements into concise technical specifications in both English and French. I feel these research skills are applicable to the position and would greatly benefit your project.

Overall, I believe I am an ideal candidate for the position of research assistant due to my extensive experience in the field, and my wide array of technical skills directly relevant to this position. I thank you for your consideration, and eagerly look forward to hearing from you.

Sincerely yours,

Julian Awad