

To whom it may concern,

I believe that my passion for physics and its applications in the medical field, and my desire to contribute to developing and improving people's lives will add significant value to the Medical Physics training programme.

My core personal value is to continually learn and develop within the field of science, and I believe Health Care Professionals must be dedicated, professional, hardworking and highly competent.

As evident from my grades in [confidential] and [confidential] and my (expected) grade of a First for MPhys degree, I possess the necessary skills, talent, and dedication for this training program.

Even in the past, my hard work and passion for science helped me to secure an admission at the [name of university], making me the first in my family to progress to a university.

At the university, the lab work enabled me to study fascinating concepts; such as X-ray Diffraction, STM, AFM and Radiometry. These initiatives allowed me to conduct further experiments with accuracy and proficiency, analyse, and interpret the results, devise conclusions, and draft comprehensive scientific reports. I worked under supervision and undertook various research and development activities in physics.

I have an aptitude for and deep understanding of computers. I learned various computing programs such as Java, MatLab, and Gwyddion, as these were used to model for the problems and analyze imaging respectively.

The Research Skills Module provided me an opportunity to work as a team and I wrote a science project proposal for ATLAS SCT barrel. This improved my organization skills, the ability to obtain information from online and offline science literature sources, and to write and explain science cases for both experts and laymen.

I also had an opportunity to learn Medical Physics theories through Accelerator Physics and Radiation Therapy Applications Modules. This module focused on the application of physics in medicine.

Whilst studying Medical Imaging, I worked on a Medical Physics project in my final year at the university. I was able to polish my observation and analytical skills as I had to analyze the images. I worked further on my organization and time management skills and improved my ingenuity, initiative, and competence in scientific communication.

Apart from academics and research, I have also volunteered at [confidential] and [confidential] as part of the [confidential] and [confidential] programs. I was tasked with taking the initiatives, problem-solving,

and multi-tasking while dealing with demanding customers. This allowed me to improve my interpersonal and decision making skills.

I participated in the Young Enterprise Competition. This involved chairing weekly board meetings to ensure company's success, where I was involved with managing presentations about products to attract customers. This gave me with the opportunity to develop my communication, teamwork, and evaluation skills.

As a former captain of my school's tennis team, I'm well aware of the importance of coordination, managing expectations, maintaining motivation and teamwork in the most challenging situations.

I have successfully completed a leadership and development-training program at [confidential]. In addition, I have actively volunteered in a physics support group in school and in mentoring activities at my university, where I enjoyed sharing knowledge with others.

I believe that teamwork is essential in any sphere of life, especially in healthcare department. It is pertinent that all professionals adopt a holistic approach within multi-disciplinary teams to deliver outstanding patient care.

As a volunteer in a care home for the physically and mentally challenged, I worked with professional caretakers to cater for the individual needs, and therefore understand that teamwork and coordination are necessary to provide the best care possible.

To get an insight into the Medical Physics Field, I have shadowed Medical Physicists in the Nuclear Medicine Department at [confidential] and Clinical Scientists at [confidential] Hospital. This made me understand and appreciate the diversity and rewarding nature of healthcare careers.

Volunteering at Elderly Ward at [confidential] Hospital gave me the opportunity to observe the clinical side of healthcare. I believe in my hard work, motivation, and dedication, and I know exactly what the duties of a Medical Physicist entitle.

It is my aspiration to work in this area as a Clinical Scientist where I can bring my scientific and people-oriented skills to contribute towards the health and wellbeing of all patients.

Best regards,

[Name of applicant]