

I wish to express my interest for Master's degree in any of the following fields under the Fulbright scholarship:

1. Mechatronics
2. Electrical and Computer Engineering
3. Robotics

These are areas that I have had great passion in since I was young. Some of my areas of interest include embedded systems, IoT, Robotics, Electronics design and also Smart design of various embedded systems.

I am a Kenyan citizen, a graduate from JKUAT University (2018) with a second class-upper division in Bsc. Control and Instrumentation (Physics Department). I am currently a trainer (tutor) at Kisiwa Technical Training institute, Bungoma in the Electrical Department on B.O.M. terms part time and a Junior Technical Support (Fiscal/TIMs) at Total Solutions Limited.

I studied more of electronics including Microcontroller systems, embedded systems, control Systems, Industrial automation among other areas. Embedded Systems is a field with which I have much interest. Embedded systems is one area that is deep in my heart. In my final year project I created a prototype for my project (Microcontroller based variation of intruder alert systems with distance of intruder) using the knowledge I had gained in embedded systems and microcontrollers.

Being awarded the chance to further my studies in the above stated disciplines would be an incredible opportunity for me and one I intend to seize wholeheartedly without reservations. It would also be a step towards achieving my objectives and desires.

In my undergraduate studies I gained immense knowledge in various disciplines including control systems, industrial automation, embedded systems, Microcontroller systems, Robotics and to a smaller extent gained some knowledge in ICT, Networks, Computer Aided Design and Drawing. In my high school I did very well in mathematics and sciences and am confident enough of the knowledge I have.

The world is fast moving towards advanced technological era in various disciplines including IoT and smart systems where smart devices must be designed to cope up with the changing technology. Manpower is therefore needed to cater for the said technological need. Skills gained in Mechatronics, Integrated Circuits and Robotics would go a long way in filling the manpower and skills gap.

In my society, I am a role model to many young students. Many grow up with the desire of being like me. Some look up on me for mentorship. I wish to also gain more skills and knowledge so that I would realize my dream of coming up with an embedded systems

company and to educate the society on technology. I would also use the knowledge and skills to regularly train my fellow youths in higher levels of learning on technological advances.

I have decided to apply to study in the US. The country has highly ranked Universities with focus on practical skills. The country has very established embedded systems companies including GHI Electronics, Xilinx, ON Semiconductor and Intel which would give me the experience that I wish to attain.

Kindly consider my request.