How I will apply the knowledge gained from this bootcamp

Having been job searching for a while, it has become very evident that software development(design and programming) job roles are at the top of the pile of available job openings on almost every job advert platform. As I have an active subscription with LinkedIn, Indeed and several other job platforms, I have observed with growing interest the immense number of software roles covering almost every sector of business and commerce. With an already acquired self-taught capacity in python, I have always sought a structured program through which I can find needed validation of my skill set.

Second, I have been very intent on pursuing a career in consultancy for software engineering projects. This was due to an already existing involvement in software-based projects like agile development and teaching software development concepts using C++ and python. The exposure this gave me of the needs of businesses for python engineers and software engineers in general has been an eye opener that helped me resolve to upskill and dive deep into the art of software development.

I have particularly been interested in building human machine interfaces where systems are allowed to have very functional and aesthetically pleasing ergonomic designs. Such systems can be used in industrial instrument interfaces, control systems interfaces, medical device interfaces, haptics and robotic system control interfaces .

Industries where I will like to have impact

Some of the industries or specific business sectors where I would like to be involved also include the financial sector. The role of python in this sector continues to increase. One area where this is the case is in algorithmic trading. I had been involved in a series of algorithmic trading code exercises in which stocks were meant to be sold based on several criteria. I was unable to successfully complete the tasks that time. I still look forward to having a role in that business space. I will be able to have an impact here while working in a freelance capacity.

Another sector where I would like to have a contribution is in aerospace and space engineering . building systems in embedded and mechatronics will be vital for many successful space missions. The space sector is also growing continuously and will be needing a steady inflow of software engineers.

Finally medical science is always going to benefit from better algorithms in diagnosis and analysis. Being able to create such code products that permits this to happen is one of my objective in pursuing a roles in software engineering

This file will have the results from my codes during the period of my bootcamp