For the "Open Technologies Alliance – GFOSS"

(this is not the actual application proposal)

The projects I believe I can contribute to are:

1. Files DB
2. Netdata

How I can contribute to the above projects:

Netdata: I carefully read the description of netdata and searched its repository, which lead me to the conclusion that it is, in a good sense, an overwhelming project. I am quite familiar with most of the knowledge prerequisites mentioned for the project, mostly because of an optional course I chose this semester called EPL371 – Systems programming, which has greatly enhanced my skills in bash scripting, low level C-programming and, in the near future, Node.js programming. Also, I am quite familiar with web-development because of an internship I had in the summer of 2015 with the web-development company called OpiumWorks (more info is in my CV). I do not know Python programming. The thing is, although I have most of the knowledge prerequisites and I understand the expected results, I can't just rely on my personal confidence to say that I can work on this project, I have to analyse the code and structure of this project really well before I can have an idea of how I will be able to practically and implementation-wise meet the expectations.

Files DB: This project seemed simple enough to make me be as confident as possible in getting the job done. Plus, it is a brand new project which means I get more time implementing and coding rather than analysing already existing code to determine what can and cannot be done.

As I mentioned before, I am quite experienced with C-programming and web-development, and I also completed both Database courses available at my university. The first course, EPL342 – Database Systems, made me really familiar with MySQL, and the second course, EPL446 – Advanced Database Systems, made me really familiar with storage and indexing, query optimization and transaction management when it comes to Databases.

Why I am interested in participating in GSoC

I graduate this June, and when I learned about the program I considered it a really good alternative instead of immediately getting a job, which was my original plan. I enjoy both coding and a good challenge, and this program seems to offer both. The money is also good. The fact that I will be working from home made me a little bit concerned about the available resources that I will have, but I will see about that. As for why I chose the "Open Technologies Alliance – GFOSS", it's because it was recommended by my university and it is also a Greek organization, which seems more familiar to me as a Cypriot.

Why I believe I am fit for the job

During my 4 years at the university, I always tended to work alone and rely only on my personal understanding and skills for completing any project assigned to me. This was especially apparent during my dissertation, which I mention in my CV and during which I turned the Vuzix M100

augmented reality glasses into a reading device for the blind that could be controlled by voice. Almost everything I did there, from comfort choices to optimizations and functionalities were my idea of what I thought would be the best reading device for a blind person. My point is, although working alone sounds a bit contradictory to open-source development, I believe I will be able to get things done alone from home and with only distant communication with my mentors and any project partners.

As for the free time I will have during those 3 months of the program, I will be away from Cyprus for 7 days in June and 3 days in July, but other than that I have all the other time at the project's disposal.

Although I almost have no experience with open-source development, during my dissertation I found an important bug in Google's "mobile-vision" Android Project at GitHub and reported it at the Issues section (https://github.com/googlesamples/android-vision, issue #175). The issue was later patched by a pull request of another contributor.