Allow me to go straight to the point: Would you be willing to supervise an internship at the company I currently work?

- Company: Sfered
    - Parametric modelling of glasses, in order to make glasses fit perfectly.
- Subject: web-based parametric cad.
    - Sfered became interested in the open-source 3d library I wrote as a hobby project.
    - Sfered would like to eventually use this environment to substitute large parts of their current pipeline, in order to enable client-side parametric modelling. It is already using small bits of it.
    - But, before this can be realized, vital features are missing:
        - Curves / Splines / Bèzier curves
        - Curved Surfaces with holes
        - B-rep
        - Curve-Surface projections
    - My exercise will be to continue what I already started doing: using what I have learned during DTM & 3DM to implement these features in the open-source 3d engine ive been building. I may or may not have to resort to using OpenCascade, but I much rather implement only the relevant bits, to keep the application lightweight as possible.
- My perspective is as follows:
    - Internships are often a leadup to a thesis, and this is similar to a degree.
    - I find what I do for this company very much related to what im doing now at geomatics.
    - Most Importantly: I wish to gain 10 etcs for work which complements my thesis as opposed to 10 etcs worth of unrelated endevaours that will distract me from the thesis.*
- Background info:
    - Frederika agreed with this proposal, as long as I could guarantee there would be no conflict of interest. I believe the fact that all code I will write for this internship will be `open-source` will ensure this. I have been working for Sfered for the past three years now, and they have always allowed me to let study & education take precedence over work, as long as I communicate this clearly.

I would love to have you, Ken & Stelios as internship supervisors. I know this is not entirely geomatics related. Still, I believe having practical experience with web-based geometry processing, and some insight in this use case, will be extremely beneficial to the thesis. If you agree to this, the internship will start next year in Q1.

I look forward hearing what you think of all this!

Cheers,

Jos

> *I have tried doing a couple of related electives, like the 'web programming languages' EWI course. They turned out to be not very relevant at the end, since 'web programming languages' for example, is a very broad topic. Maybe 5 percent of the knowledge & skills gained are applicable to my use case. I much rather make that something like 50%.