Proposal for Summer Internship Position in the Custom Layout and CAD team

The summer internship is for 1 engineering student to work full time with us for 3 months in the summer: June, July & August with possible extension until end of Dec 2015. This is an unpaid internship for summer with the possibility of converting to a paid co-op for the fall 2015 period. The job description is provided below by Ricardo Martinez, Custom Layout and CAD manager.

The Genia design team is currently expanding and building a technical infrastructure to support our current 128K project and the proposed 10M array cell chip. The plan is to use the summer program to train a student work on the project while preparing possible future hires in the team.

Job Description

Engineer intern, responsible to provide on-site support for customer’s layout/cad projects:
Perform layout implementation from circuit schematics to DRC/LVS clean for customer’s IP blocks. Meet project objectives, milestones and quality requirements. Work closely with customer’s circuit design teams in floor-plan, power/ground arrangement, critical nets, matched devices, block interface, top level integration and schedule assessment. Create small scripts from scratch or modify scripts as needed.

Job Requirements:
Enrolled in Bachelor’s or Master’s program. Experience with IC layout process and entry level programming. Basic understanding of semiconductor devices and process. Familiar with Cadence and Mentor tools a plus, as well as Unix working environment. Strong commitment to schedule and quality. Strong work ethic and flexibility in assignment. Excellent communication skills and able to collaborate with remote teams.

More important info:

I am planning to hire and train a person with the right qualifications. Please note:

- Student must have the proper US employment permits as our group will not sponsor H1B or alike US work permits.
- The summer internship is UNPAID. However, I will train this engineering in a real life engineering field. Start and end date of summer internship is a bit flexible.
- Should the budget for an extension be approved, an offer would be made to the student, provided this person was successful in the summer, for a part time or full time coop position to end on 12/2015.
- Student must be an EE or maybe even an Computer Science major, GPA 3.0 or above or have a good reason why it is below 3.0 :)