MSc level Internships projects in 2026
Call for proposals in Virtual Reality and Digital Engineering Platform
DUE DATE: OCTOBER 20th, 2025

Do you have a project requiring VR, Digital Engineering developments, AI, Robotics or 3D simulation help? If so, please read!

Foundation Campus Biotech Geneva (FCBG) will be opening 1 or 2 MSc intern positions in 2026 in its Virtual Reality and Digital Engineering Platform. The goal is to provide opportunities to develop new functionalities for the Platform and doing so in close collaboration with projects like yours.

We ask that PI interested in benefitting of that extra MS help submit a project application (see instructions below). If your project is selected for being staffed with that additional MSc intern positions, the intern will then join the VR engineering team of the Fondation Campus Biotech Geneva (FCBG), while working under the scientific supervision of the PI promoting the research project and the manager or the engineers of the facility.

Proposals will be reviewed and selected by the Platform team and the VR & Digital Engineering Platform Advisory Profs D. Bavelier and A. Mathis.

Subjects of interest:

The proposed research projects should include a technical part (development and outcomes for the platform). Please note that projects also containing an experimental part are more likely to be selected.

Examples of technical development include (but are not limited to): accurate-real-time motion capture of body, hands or faces, biofeedback, EEG-VR/AR integration, use of real-time avatars, naturalistic environments, augmented reality interaction, TMS/AR, robotic arm + AR, micro-computing + 3D, Artificial Intelligence applied to interactive tasks.

All research domains are welcome, including (but not limited to): cognitive neuroscience, sensory illusions, brain-machine interfaces, clinical applications.

Profiles:

After the selection of projects (planned by the end of October 2025), we will advertise for candidates with a strong engineering background (programming skills, interests in 3D computer graphics, knowledge of real-time systems, etc.), and a strong interest or initial background in neuroscience/bioengineering. The selection of the candidates will be done via a committee panel including platform engineers and platform PIs by end of January 2026 for a start date around February-April 2026.

The internship is for MSc level students performing their 6 months final research project. The position is full-time at FCBG at Campus Biotech.

The intern will do his/her best, but he/she is not obliged to deliver a finished application at the end of the internship. It may be necessary for you to identify an extra development budget for the VR team to polish the student delivered product after their departure. We will do our best to keep you informed of the progress of the schedule drawn up at the start of the course.

Conditions (PLEASE READ AS THESE ARE NOVEL):

This year we will give priority to projects whose PI can contribute half of the intern's salary (about CHF 7'200). The other half will be paid by the FCBG. Please specify on the application form whether you have that matching fund available or not. For information, CHF 7'200 will give access to a full-time student engineer for 6 months, when the same fee only covers the cost of two full weeks of engineering time on the platform for projects outside of this proposal.

Contact person: facility team: **vr@fcbg.ch**

Procedure: Please fill in the attached form and join the CVs if any. **The due date is October 20ᵗʰ, 2025**

Research project proposal
FCBG VR and Digital Engineering MSc Internship

Research project description (max. 400 words)

Expected outcomes for the VR Platform:

Planning and milestones:

☐ **I have the amount of 7'200 chf** for paying half of the intern's salary (these projects will be given priority)

☐ **I don't have the amount of 7'200 chf** for paying half of the intern's salary but I still want to propose my project

☐ **Other -** Please suggest if you have other arrangements to suggest:
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Proposed candidate if any (please attach CV): . . . .

Scientific supervisor (please attach CV): . . . .

University (please state contact person): . . . .