University of Geneva
Faculty of Medicine
Department of Fundamental Neuroscience

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SOFTWARE ENGINEER POSITION

The lab of Prof. Michel at the University of Geneva is offering a **software engineer position** to work on development and advancement of brain-computer interfaces – devices that link persons' neural activity with computers, robotic limbs or implanted stimulators – with the aim of restoring communication and independence of people with paralysis.

The successful candidate will work on several well-funded projects and is expected to transition to other projects in the future as those are initiated.

The ideal candidate will have:

1. Degree in Computer Science or Computer Engineering
2. Successfully developed real-life project(s) in *C/C++*
3. Experience in interfacing with hardware *APIs*
4. Experience in development of modular and multithreaded software frameworks that can be easily extended to work with other hardware and other software packages
5. Experience in the development of *GUI* (*Qt, wxWidgets*…)
6. Excellent coding standards, following industry best practices regarding code commenting, code documentation, version control, unit and integration tests.

The following will also be a plus:

1. Knowledge of linear algebra and related *C* libraries (*LAPAC, BLAS*, etc.)
2. Some experience in development of *Matlab* software
3. Knowledge of real-time operating systems
4. The ability to manage multiple development projects

The qualified candidate will benefit from joining a very dynamic and multidisciplinary group working at the interface of software development, engineering, neuroscience, and prosthetics. They will collaborate with several labs and companies of the newly founded Campus Biotech in Geneva. University of Geneva provides state-of-the-art facilities and is one of the leading technical universities worldwide. In addition, University of Geneva offers competitive salaries ranking amongst the highest in the world.

Applications including a CV, short motivation letter, and the names and full contact details of two referees should be sent to tomislav.milekovic@unige.ch.

Sincerely

Dr. Tomislav Milekovic