



Alpnach
Landquart
Muttenz
Neuchâtel
Zurich

CSEM is a private research, technology and innovation center specializing in digitalization, precision manufacturing, micro-technologies and photovoltaics and energy solutions. CSEM offers its customers and industry partners custom-made innovative solutions from applied research to the development of industrial products. Our strength is the expertise of our people.

The *Edge AI and Vision* group within the *Integrated and Wireless Systems* division, based in Neuchâtel is currently looking for a:

Software developer for machine vision applications

The applied research and industrial activities conducted within the Edge AI and Vision section of CSEM are devoted to capture process and extract visual information from scenes. Our activity spreads from the development of complete system solution and innovative ASIC for pre-processing images to the high level algorithmic processing for extracting the captured information.

Your mission

As a Software Developer you will participate in our efforts in research and development, comprising:

- Develop dedicated software for various applications, such as interfaces for public demonstrators or professional software to be delivered to our partners.
- Assure high quality software and user experience via testing, validating data and implementing best practices.
- Work with R&D engineers and researchers teams on producing the most intuitive and illustrative interfaces for our demonstrators.
- Participate in the R&D activities of the division, such as data collection campaigns, data curation, data annotations, etc.
- Participate actively in the technology roadmap.

Your profile

- Degree (HES, Bachelor) in Computer Science or Information and Communication, with experience preferably in an industrial environment.
- Strong design and user experience skills.
- Experience with frontend technologies for web and mobile development (Vue.js, JS, BS4, CSS/HTML).
- Experience with backend technologies (Python, Flask, ZeroMQ, MongoDB).
- Knowledge of C/C++/C# and Qt is a strong plus.
- Fluency in implementing state-of-the-art software architecture patterns.
- A passion for new technologies, experimentation, exploration and finding of new solutions in collaboration with talented people.
- Fluent in English and ideally also in French.

We offer

CSEM offers a stimulating and multidisciplinary work environment with the opportunity to work with leading Swiss and international companies. You will have the opportunity to benefit from a multicultural company which clearly promotes an employee-driven culture. CSEM is an equal opportunities employer.

We look forward to receiving your complete application file via

<https://www.csem.ch/page.aspx?pid=47528&jobid=121965>. Preference will be given to professionals applying directly

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