
Job Profile – Computer Vision Engineer (Full-time or Internship)

Insightness is a spin-off company of the University of Zurich and the Swiss Federal Institute of Technology (ETH Zurich). We develop computer vision systems based on our own, novel “Silicon Eye” vision sensor (ASIC camera chip). The complete technology stack has been developed in-house: from sensor chip and camera PCB to drivers, software and computer vision algorithms.

We are currently building highly efficient systems for visual localization, mapping (SLAM) and tracking, targeted at emerging markets such as augmented reality devices. We recently released our second evaluation kit including our own camera and event-based visual-inertial odometry framework (<https://goo.gl/F2pk5W>). Some of the world’s biggest companies are our customers and with one of these big names we have recently signed a deal for a really exciting project. Now we are looking for skilled engineers and interns to strengthen our software team. Should you be interested in working on a cutting-edge technology together with players that can change the future of computation, come and join us because we are one of very few places in Switzerland that allows you to do so.

Job Description

- Develop new event- and frame-based computer vision algorithms
- Improve our existing algorithms
- Integrate and deploy the algorithms in actual products and demonstrate them to third parties
- Characterize, profile and test new processing blocks

Requirements

- Practical experience with computer vision
- C++, Matlab or Python, OpenCV, Eigen, ROS
- Fluency in English
- Advanced problem-solving skills: identify problems, come up with novel solutions and evaluate their performance
- Ability to work efficiently and independently
- Excellent communication skills
- Highly motivated team player
- Background in engineering or science with a strong diploma
- Swiss Work Permit
- Plus: Experience with SLAM, Machine Learning, 3D graphics, IMUs, advanced C++, git, library deployment, cross-platform development

Benefits

- Become an integral part of a small, highly motivated and skilled team where you can have a major impact
- Gain insights into problems beyond software: chip & product design, business, ...
- Experience the startup culture – Flexibility and Freedom
- Working on cutting-edge technology for applications in Robotics, Automation, Virtual and Augmented Reality
- Work with the world’s biggest and most influential technology companies

Application

Visit our website for more information. Submit your Cover letter, CV and Transcripts to our email address to apply for this position. Starting date: As soon as possible.



Insightness

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