insightness
sight for your device

Job Profile – Digital IC Design Engineer

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. 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 to strengthen our hardware team. Should you be interested in working on a cutting-edge technology together with the players that build the technology of tomorrow, come and join us because we are one of very few places in Switzerland that allows you to do so.

Job Description
- Design and simulate the complete digital architecture of the vision sensor chip
- Guide the digital backend flow: synthesis, layout, extraction, optimization etc.
- Work in close contact with the analog IC design team to design the entire chip
- Support PCB design and firmware development
- Help in device characterization and testing

Requirements
- Masters or PhD in Electrical Engineering or equivalent
- Proven experience in digital IC design
- Excellent knowledge of VHDL and Verilog
- Good command of digital design flow CAD tools (e.g. Cadence Encounter, Synopsys, etc.)
- Ability and willingness to work independently
- Fluency in English
- Good communication skills
- Plus:
    - Experience in mixed-signal simulation
    - Experience in production test development
    - Experience with image or vision sensor design

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 hardware: computer vision, product design, business etc.
- 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.

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