

Research Scientist @ SenseBrain Technology

Redefine mobile photography with AI+Sensor ! <http://www.sensebrain.ai>

We are SenseBrain!

We work closely with major image sensor manufacturers and smartphone makers on AI camera system integration. Through our R&D capabilities that span customized ISP designs, 3D imaging, and system-level joint optics-electronics-algorithm optimization, our computational photography solutions can allow users to easily capture professional-grade photos using a smartphone.

We are looking for extraordinary scientists to work on the image/video quality enhancement on mobile phones. You would work on core camera/ISP algorithm development and deployment. You have the chance to work with top-tier mobile phone makers worldwide to define the next-generation of photo/video capture experience. The team is dynamic, fast-paced, and requires a self-motivated attitude. All levels are available.

What you will achieve:

- Craft cutting-edge AI-powered computational photography algorithms on mobile devices to unleash the creativity of millions of smartphone photographers.
- Root yourself in the core ecosystem of the AI technologies, including deep learning model development, compression, acceleration, and deployment on the edge.
- Collaborate with top-notch researchers in academia and industry to lead the frontier of deep learning-powered computational photography
- Publish your original research and present the work at conferences and events.

Responsibility:

- Design and develop innovative algorithms and solutions for new challenges in 3D computer vision, deep learning, and computational photography/imaging.
- Stay up to date with the latest research frontier in 3D deep learning, computer vision, and computational photography/imaging.
- Build physical proof-of-concept imaging system or demos on mobile platforms
- Transfer your new technologies to product teams by jointly optimizing the algorithms according to product requirements.

Requirements:

- Ph.D. in CS/EE/Optics or related areas.
- 5+ years of research experience in computational photography, image processing, computer vision, and/or deep learning.
- Solid publication records on top-tier computer vision and optics venues, such as CVPR, ICCP, SIGGRAPH, TPAMI, and Optics Express.
- Fluent in C++/Python.
- Familiar with mainstream deep learning framework (e.g., PyTorch, Caffe, or TensorFlow) and conventional computer vision framework (e.g. OpenCV).
- Strong teamwork and interpersonal skills.

How to Apply:

- Submit your cover letter and resume at <https://www.sensebrain.ai/#openings>