



Sr. Engineer - Computer Vision
Sr. Engineer – Extended Reality
Sr. Engineer – Imaging Technology

Location California – Hsinchu, Taiwan

Overview: Qualcomm's Multimedia R&D and Standards Group is seeking candidates for its Computer Vision, Extended Reality and Imaging R&D teams in Hsinchu, Taiwan. As the research organization of Qualcomm Technologies Inc., the group develops new algorithms and systems of computer vision, virtual reality, augmented reality and 3D imaging technologies for embedded system running in smartphones, auto and IOT devices. We are seeking candidates with strong knowledge and hands-on experience in visual signal processing, machine learning, imaging, 3D reconstruction, body and hand skeleton pose estimation. We are also seeking candidates with engineering experience in acceleration of embedded system with CPU, DSP, GPU and NPU. Candidates at different levels of experience will be considered.

PHD Degree preferred or a Minimum of MS with 3+ years industry experience required in one or more of the following areas:

- Deep learning research of computer vision tasks
- Digital signal processing
- Computer vision algorithm
- Virtual reality and augment reality
- Imaging technology
- Experience in embedded and real-time system implementation
- Strong research and problem-solving skills and keep up with the latest findings and trends in the domain of computer vision, imaging, camera, augmented reality and virtual reality
- C, C++, Matlab and Python programming

Additional skills in the following areas are a plus:

- Digital camera system and depth aware camera
- Sensors and sensor fusion
- 6DoF
- Video processing
- Computer architecture and real-time operating system
- Software design and development in embedded system
- Hardware design and implementation in ASIC

Education Requirements: Master's degree in Electrical Engineering or Computer Science with significant computer vision topics and machine learning, image/video processing related coursework.

Preferred: PhD degree in Electrical Engineering or Computer Science with emphasis in Computer Vision, Machine Learning areas and have a background in image/video processing

Please visit us in Booth #1

<https://jobs.qualcomm.com/public/jobDetails.xhtml?requisitionId=1968151>





Qualcomm's Multimedia R&D and Standards Group is seeking candidates for its Computer Vision, Extended Reality and Imaging Technology teams. As the research organization of Qualcomm Technologies Inc., the group develops new algorithms and systems of computer vision, virtual reality, augmented reality and imaging technologies for embedded system running in smartphones, auto and IOT devices. We are seeking candidates with strong knowledge and hands-on experience in visual signal processing, machine learning, imaging, 3D reconstruction, body and hand skeleton pose estimation. We are also seeking candidates with engineering experience in acceleration of embedded system with CPU, DSP, GPU and NPU. Candidates at different levels of experience will be considered.

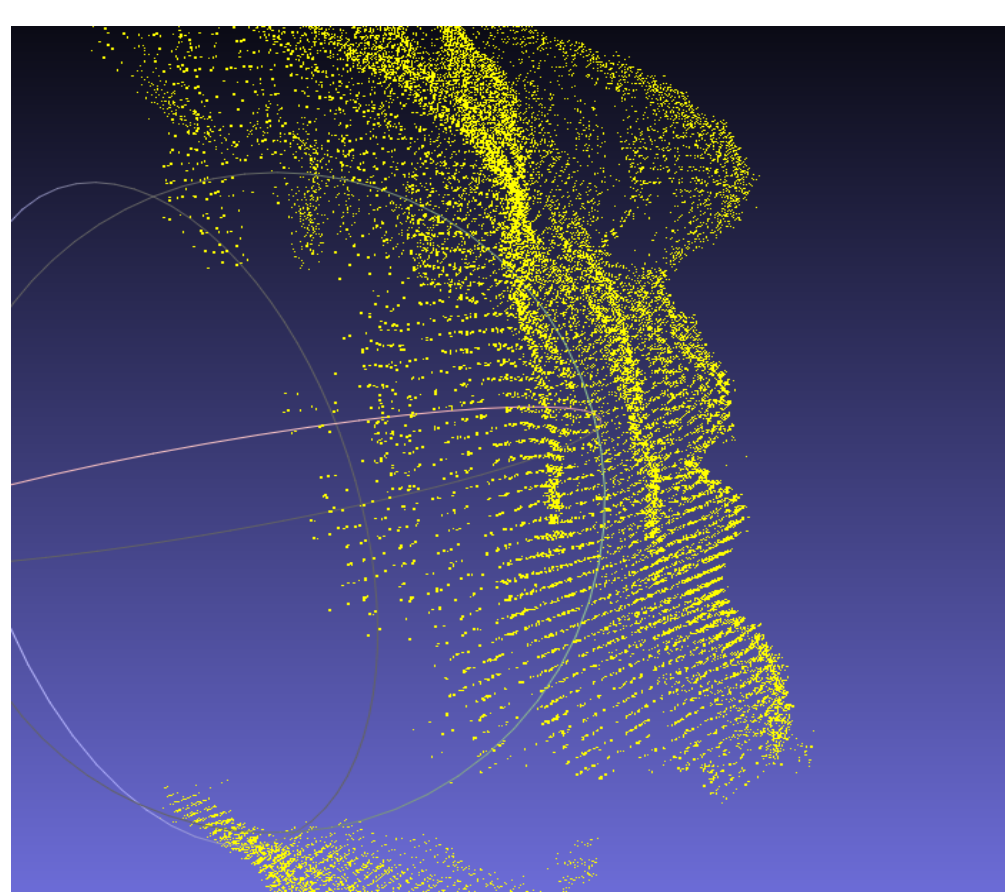
Computer Vision



- Enrich the Smartphone, Auto and IoT embedded systems by advanced computer vision features with AI
- Face authentication, including face detection, recognition, anti-spoofing and gaze analysis under both 2D and 3D sensors
- Deep learning research in computer vision for embedded system
- 3D reconstruction for 3D modeling and animation
- Object detection, tracking and recognition with deep learning

eXtended Reality (XR)

- Defining the next generation mobile compute platform
- Creating the core foundation for AR and VR (XR) experiences.
- 3D geometric and semantic estimation of environments
- Human centric sensor fusion for head, hand and body pose estimation



Imaging R&D

- Innovative 3D sensing technology for smartphone, XR, IOT and automotive
- Monolithic image sensor with programmable compute element, RICA (Reconfigurable Instruction Cell Array)
- Advanced optics and sensor designs

Please visit us at Booth #1

To find out more about our job opportunities, please visit us at:
<https://jobs.qualcomm.com/public/jobDetails.xhtml?requisitionId=1968151>

