

Interim Reference Letter

Mr. Yuan Xun Gu, born on October 27, 1983, in Shanghai, China has been working as a researcher at DOCOMO Communications Laboratories Europe GmbH since September 1, 2011. This interim reference letter has been issued on request of Mr. Gu on the occasion of change of management. He is still employed with our company.

DOCOMO Euro-Labs is the European R&D center of NTT DOCOMO, the leading mobile network operator of Japan. Based in Munich, Germany, the company is responsible for DOCOMO's European research and development activities with the goal of ensuring the further development of next generation mobile communication systems. This includes strategic partnerships in EU-commissioned projects, collaborations with operators, vendors, universities and research institutes as well as European and global standardization activities.

Mr. Gu is assigned to the Service Research Group, which is conducting R&D activities towards advanced mobile services, service platforms and enabling technologies.


Mr. Gu's tasks included:

- Research on latest approaches in the area of augmented reality and mobile computer vision
- Research on novel approaches for 3D feature matching incl. feature matching on mobile devices.
- Active participation in the development and refactoring of several software prototypes in parallel using OpenCV/C++/ObjectiveC/Java incl. deployment on Linux, Android and IOS.
- Development, preparation and support of a research prototype demonstration for a Japanese R&D exhibition.
- Participation in a research collaboration with a university.
- Organization and supervision of student development projects.

Yuan Xun Gu performed the tasks assigned to him to our extreme satisfaction. He always planned his work in a practical and systematic way. He performed his tasks very carefully and conscientiously. The quality of his work far exceeded our expectations. Mr. Gu carried out his job with great dedication and concentration. He always showed a high level of interest, commitment and motivation. His strong perception skills enabled him to successfully apply and deepen his knowledge and to independently perform the tasks assigned to him.

We consider Mr. Gu to be a highly valuable team-oriented co-worker. His conduct towards supervisors and colleagues has been exemplary at all times. He is greatly esteemed by all associates because of his friendly and balanced personality, as he actively fosters good cooperation and team atmosphere.

Munich, October 12, 2012

A handwritten signature in blue ink, appearing to read 'M. Wagner', is written over a horizontal line.

Dr. Matthias Wagner

Director Service Research Group

DOCOMO Communications Laboratories Europe GmbH