

Fraunhofer IOSB | Fraunhoferstraße 1 | 76131 Karlsruhe

Raul Jiménez Maldonado
Willy-Andreas-Allee 17
76131 Karlsruhe

Karlsruhe, 22. Dezember 2014

Letter of Recommendation

During the 4th of August to the 31st of December, Mr. Raul Jiménez Maldonado, born on March 23rd 1993, was an intern at the Fraunhofer Institute of Optronics, System Technologies and Image Exploitation IOSB. He was placed in the department Visual Inspection Systems (SPR).

During his internship, Mr. Maldonado obtained a general overview over the core competences of SPR, and deeper insights into the visual inspection of bulk materials. He worked on a project concerned with the automatic sorting of LEGO bricks, where he was tasked with the mechanic and mechatronic planning of a sorting machine. In particular, his activities were:

- Analysis of required system components and creation of a technical specification of the project
- Detailing of the components and planning of the sorting machine
- Development of a functional specification document
- Market-research for suitable components
- Experimental verification of certain electronic components

Mr. Maldonado was always eager to learn, very open to suggestions and attentive. At the same time he was contributing many original ideas and solutions. He became increasingly independent and fulfilled his tasks to our full satisfaction.

Mr. Maldonado leaves our institute after the duration previously agreed upon. We thank Mr. Maldonado for his contributions and wish him all the best for his future!

Fraunhofer Institute of Optronics, System Technologies and Image Exploitation
Visual Inspection Systems (SPR)

Matthias Richter