

May 14<sup>th</sup>, 2019



## **Title**

*Design of Power and Control Printed Circuit Boards for Handheld Autorefractor*

## **Profile of the candidate**

Last year student of

Ingeniería Informática / Telecomunicaciones

Doble grado de Ingeniería Informática y Matemáticas

Máster en Ingeniería de Telecomunicaciones

Máster en Ingeniería Informática

## **Background and project description**

Over one billion people worldwide are impaired by poor vision because they do not have the prescription eyeglasses they need. These uncorrected refractive errors (UREs) are a major cause of global disability and have a profound impact on productivity, education, and overall quality of life. UREs are especially prevalent in emerging economies including India, China, and Brazil, where eyeglasses are affordable but there are not enough eye care providers to dispense eyeglass prescriptions.

**PlenOptika's** ([www.plenoptika.com](http://www.plenoptika.com)) mission is to increase eye care accessibility globally through the commercialization of the **QuickSee**—a low-cost, easy-to-use, and accurate autorefractor that dramatically improves the efficiency of eye care providers and enables minimally trained personnel to dispense eyeglass prescriptions with the push of a button. QuickSee underlying technology was developed by PlenOptika's cofounders during 3 years of post-doctoral research at MIT and the first commercial version has been recently launched in USA and Asia.

We are seeking for a very talented engineering student to join a branch of Plenoptika Scientific/engineering team based on Universidad Autónoma de Madrid ([www.medicuam.com](http://www.medicuam.com)) which is leading the core technology development of the QuickSee and subsequent products. He / She will develop and internship and a master or bachelor thesis with us

## **Department**

Departamento TEC, EPS, UAM

MEDIC: Medical Engineering Development & Innovation Center

## **Requisites**

Basic knowledge of electronics required.

Programming experience in C and C++, QT is a plus

Fluency in English language is mandatory

Excellent scores

Availability of at least 4 hours per day

## **Offered**

Excellent work environment, possibility of continuation in the company after the internship

Remuneration and benefits package depending on the value of the candidate

Career development plan

## **Contact**

Email your CV and a brief introduction email to [eduardo.lage@uam.es](mailto:eduardo.lage@uam.es)