1st February 2019

Title

Development of image processing algorithms for an automated refraction device

Profile of the candidate

Last year student of
Doble grado de Ingeniería Informatica y Matemáticas

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) 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) 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

Programing experience in C, C++
Mathematical Talent
Experience with Machine learning, deep learning and / or AI 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