Apple: Optical Design Engineer, Camera Hardware

Job Summary
Imagine what you could do here. At Apple, great ideas have a way of becoming great products, services, and customer experiences very quickly. Bring passion and dedication to your job and there's no telling what you could accomplish. The Camera Hardware Engineering group is responsible for all research, design, development, test and qualification of camera hardware for Apple products. The team is looking for an Optical Engineer to work on advanced optical technology development.

Key Qualifications
- The ideal candidate will have experience in the area of lens design, metrology and integration.
- Experience in lens design, tolerance analysis
- Experience in Stray light analysis
- Experience in lens characterization methodology and instrumentation
- Proficiency with ZEMAX, CODE V, FRED, LightTool, etc.
- Ability to perform comprehensive optical and image quality characterization of the lens and the camera module
- Support metrology methodology for camera lens testing and develop appropriate test charts and methods for camera evaluation
- Interface with the assembly and packaging groups to support integration of camera lens into module

Description
Core Responsibilities:
Design new lenses, characterize and integrate into CMOS imager sensor based camera modules.
Complete analysis of the optical element's influence on the image quality characteristics of the camera module.
Work closely with lens supplier for prototype design, evaluation and MTF testing.
Drive development of advanced metrology methods.

Education
BS/MS/PhD degree in Optics, Physics, Electrical Engineering, Mechanical Engineering, Material Science, Manufacturing, or equivalent work experience