From a CIS alum: "Though the description says the position requires working experience, good fresh graduates will be considered too. BTW, seven engineers in the group are CIS alumni."

Image Quality Engineer - GoPro

Engineering | San Mateo, CA, United States
Reports to: Image Quality Engineering Manager

The Company

GoPro is the world's leading activity image capturing company. GoPro produces the famous HERO® line of wearable and gear-mountable cameras and accessories, making it easy for people to capture and share life's most exciting moments. GoPro's products are sold through specialty retailers in over 40 countries and online at www.gopro.com. No more missed footage because the camera was stuffed in the backpack or left in the car. Finally, get the shot that makes you look like a HERO...GoPro.

The Position

GoPro is looking for a highly qualified and experienced image quality engineer to develop, implement, evaluate, and report image quality as it pertains to camera system optics, sensors, ISPs and the combination thereof. The candidate will also be responsible for designing and developing improved manufacturing processes driven for maximizing image quality, frequently meeting with vendors to ensure high quality components, and testing and validating existing methods for sustaining products. A B.S. or M.S. in image processing, optics and/or related fields is strongly preferred with 5-8 years of industry experience (10+ years with B.S.) in manufacturing environments. Experience in perceptual quality evaluation is strongly preferred. Travel to Asia is required.

Key Position Accountabilities

- Develop test software and metrics to measure overall image quality from component to system level (lenses, lenses with sensors and images from camera systems)
- Design and implement improved manufacturing processes driven towards higher optical and image quality performance
- Prepare technical and process reports by collecting, evaluating, summarizing data and trends
- Design image quality validation plans

Qualifications

- B.S. or M.S. in Image science, Optics, and/or related fields
- 5-8 years of industry experience (B.S. + 10 years) working on camera systems and experience in production environments
- In-depth knowledge of process control, assembly, tooling changes, and yield/cost effects
- Ability to think quickly, react and respond to production-constraining issues
- In-depth knowledge of root cause analysis, creating DOEs, and statistical data analysis

- Strong knowledge in image processing techniques in relation to the development of cameras products, including calibration processes, image quality metrics, optical testing and test tools development
- Experience in managing relationships with component vendors
- Strong interpersonal communication skills

Go to http://gopro.com/careers to apply.